

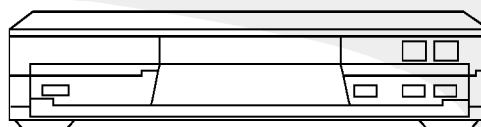
TOSHIBA

FILE NO. 810-200309

SERVICE MANUAL



DVD HOME THEATER SYSTEM ***SD-43HT***



DOCUMENT CREATED IN JAPAN, Apr., 2003

LASER BEAM CAUTION LABEL



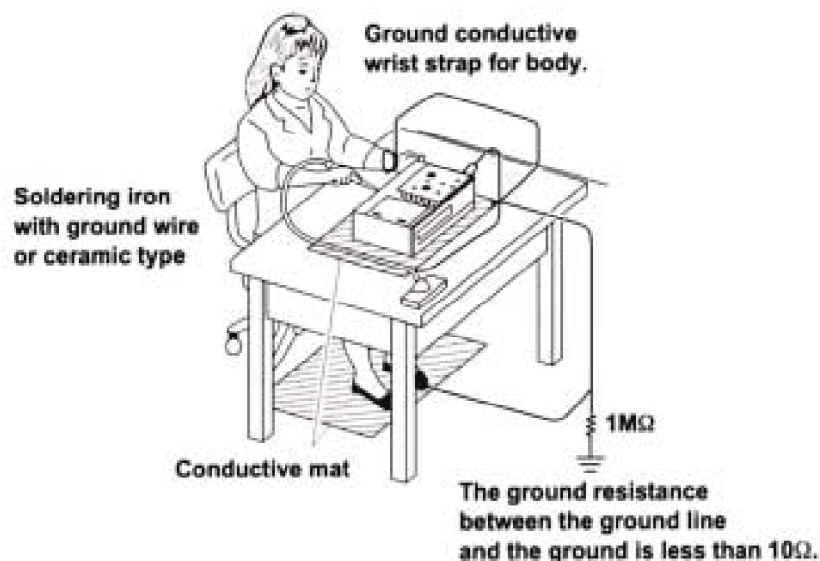
When the power supply is being turned on, you may not remove this laser cautions label. If it removes, radiation of a laser may be received.

PREPARATION OF SERVICING

Pickup Head consists of a laser diode that is very susceptible to external static electricity.

Although it operates properly after replacement, if it was subject to electrostatic discharge during replacement, its life might be shortened. When replacing, use a conductive mat, soldering iron with ground wire, etc. to protect the laser diode from damage by static electricity.

And also, the LSI and IC are same as above.



SAFETY NOTICE

SAFETY PRECAUTIONS

LEAKAGE CURRENT CHECK

Plug the AC line cord directly into a 120V AC outlet (do not use an isolation transformer for this check). Use an AC voltmeter, having 5000 Ω per volt or more sensitivity.

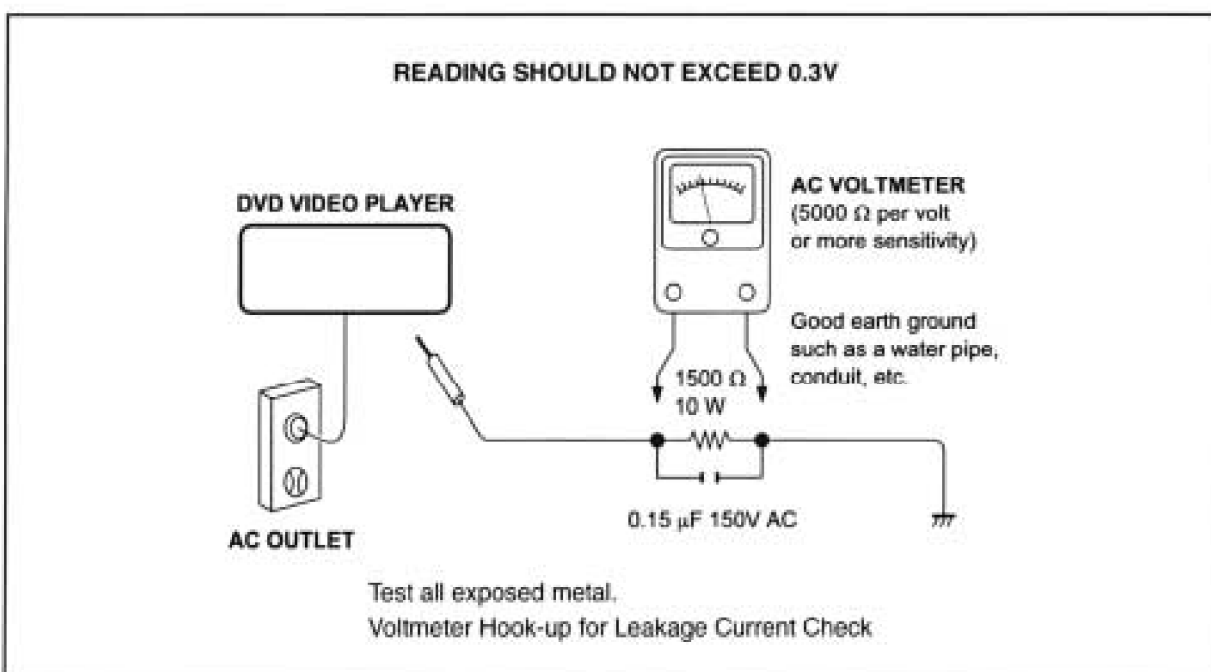
Connect a 1500 Ω 10 W resistor, paralleled by a 0.15 μ F 150V AC capacitor between a known good earth ground (water pipe, conduit, etc.) and all exposed metal parts of cabinet (antennas, handle bracket, metal cabinet screwheads, metal overlays, control shafts, etc.).

Measure the AC voltage across the 1500 Ω resistor.

The test must be conducted with the AC switch on and then repeated with the AC switch off. The AC voltage indicated by the meter may not exceed 0.3 V. A reading exceeding 0.3 V indicates that a dangerous potential exists, the fault must be located and corrected.

Repeat the above test with the DVD VIDEO PLAYER power plug reversed.

NEVER RETURN A DVD VIDEO PLAYER TO THE CUSTOMER WITHOUT TAKING NECESSARY CORRECTIVE ACTION.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CONTENTS

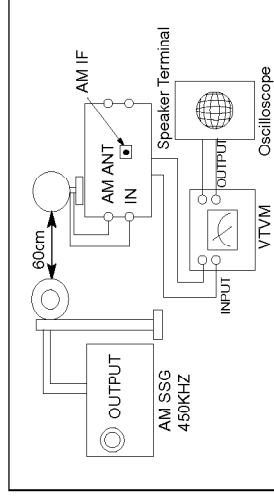
1. Alignment and Adjustments
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8. Schematic Diagrams
9. IC block Diagrams
10. Troubleshooting

1-1. Tuner



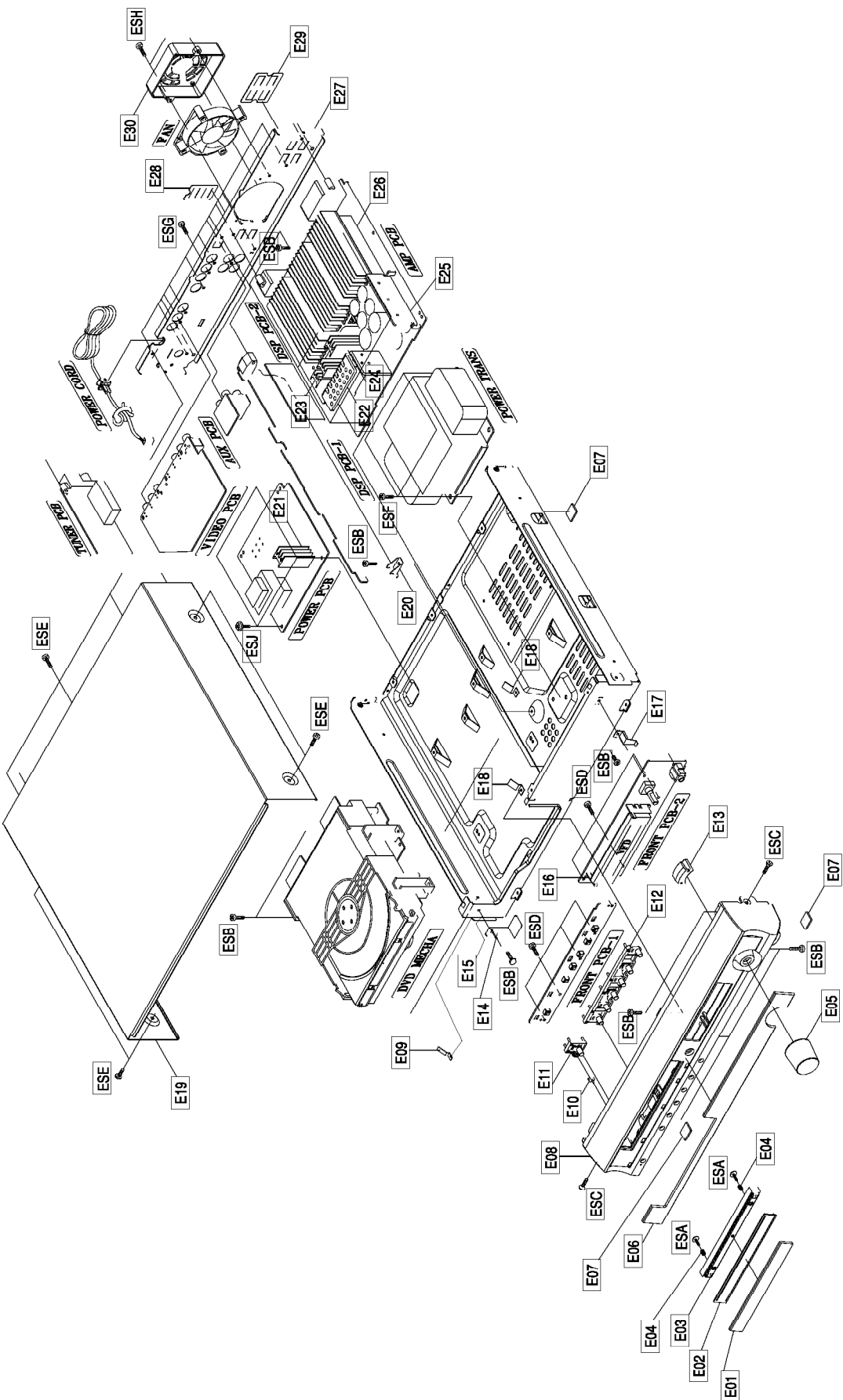
The diagram shows a test setup. On the left is a box labeled 'TESTER' containing a symbol of a circle with a diagonal line through it. On the right is a box labeled 'MAIN PCB'. Both boxes have two terminals: 'GND' and 'VT'. Wires connect the 'GND' terminals of both boxes, and another wire connects the 'VT' terminals of both boxes.

TOSHIBA

Figure 1-3 AM I.F. Adjustment

2.Exploded Views and Parts List

2-1 Total Exploded View

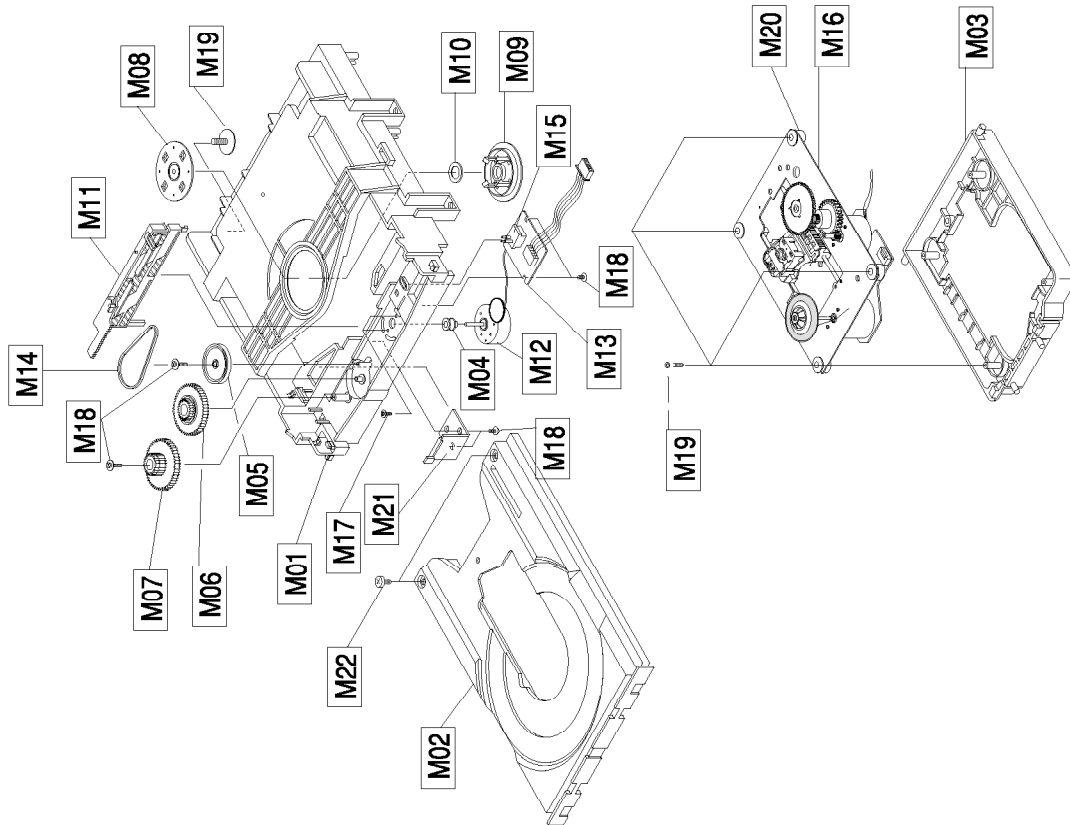


* Parts List of Total Exploded view

No.	TOSHIBA P/N	Samsung Code No.	Description & Specification	Q'ty	REMARK	No.	TOSHIBA P/N	Samsung Code No.	Description & Specification	Q'ty	REMARK
E01	AG000426	AH64-02409A	WINDOW-CD DOOR, ACRYL 3.0T	1		ESA	AG000490	AJ6G-01001A	SCREW-TAPTITE, BWH, 2*5, YEL	2	
E02	AG000422	AH64-02405B	DOOR-CD, ABS GRAY	1		ESB	AG000339	6002-000398	SCREW-TAPTITE, BH, 3*6, YEL	16	
E03	AG000397	AH61-01323B	HOLDER-DOOR CD, ABS GRAY+GLASS 20%	1		ESC	AG000338	6002-000126	SCREW-TAPTITE, FH, 3*10, BLK	2	
E04	AG000398	AH61-01325A	SPRING-DOOR CD, SUS304	2		ESD	AG000391	6003-000109	SCREW-TAPTITE, RH, 2.6*8, YEL	5	
E05	AG000425	AH64-02408B	Knob-VOLUME, ABS NATURAL	1		ESE	AG000344	6003-001499	SCREW-TAPTITE, BWH, 3*8, SIL	8	
E06	AG000427	AH64-02410A	WINDOW-VFD, ACRYL 3.0T	1		ESF	AG000389	AH60-00014A	SCREW-TAPTITE, TH, 4*6, YEL	4	
E07	AG000454	AH73-00005A	CUSHION-FOOT, EVA 2.0T	4		ESG	AG000390	AH60-00025A	SCREW-TAPTITE, B-I, 3*10, SIL	16	
E08	AG000421	AH64-02404D	CABINET-FRONT, MIPS GRAY	1		ESH	AG000417	AH64-01984D	SCREW-TAPTITE, BH, 3*12, SIVER	2	
E09	AG000537	AH63-00388N	BRKT-GND, P3S 0.2T	1		ESJ	AG000520	6003-001277	SCREW-TAPTITE, BWH, 3*6, YEL	5	
E10	AG000438	AH67-00218A	LENS-POWER, PMMA MILKY	1							
E11	AG000424	AH64-02407B	Knob-POWER, ABS GRAY	1							
E12	AG000423	AH64-02406B	Knob-MAIN, ABS CLEAR	1							
E13	AG000439	AH67-00219A	LENS-VOLUME, PMMA MILKY	1							
E14	AG000399	AH61-01374B	BRKT-GND, SECC 0.6T	1							
E15	AG000418	AH64-01999A	CABINET-BOTTOM, SECC 1.0T	1							
E16	AG000395	AH61-01131A	HOLDER-VFD, ABS BLK	1							
E17	AG000568	AH63-00388R	SHIELD-PCB, PBS 0.3T	1							
E18	AG000411	AH63-00388C	SHIELD-TOP, PBS 0.3T	2							
E19	AG000419	AH64-02001D	CABINET-TOP, SECC 0.8T	1							
E20	AG000396	AH61-01140A	BRKT-PCB, SPTE 0.5T	1							
E21	AG000405	AH62-00062A	HEAT-SINK, TR, AL EXTR	1							
E22	AG000403	AH62-00083A	HEAT-SINK, DVDP, AL EXTR	1							
E23	AG000401	AH62-00062A	HEAT-SINK, TR, AL EXTR	2							
E24	AG000404	AH62-00061C	HEAT-SINK, TR, AL EXTR	1							
E25	AG000535	AH62-00052D	HEAT-SINK, DIQ, AL EXTR	1							
E26	AG000402	AH62-00082A	HEAT-SINK, F, AL EXTR	3							
E27	AG000420	AH64-02403B	CABINET-REAR, SECC 0.8T	1							
E28	AG000414	AH63-00569A	SHEET-SPK R, PVC 0.3T	1							
E29	AG000415	AH63-00569B	SHEET-SPK FCW, PVC 0.3T	1							
E30	AG000539	AH63-00614A	COVER-FAN, VIIPS GRAY	1							

2-2 MECHA Exploded View and Parts list

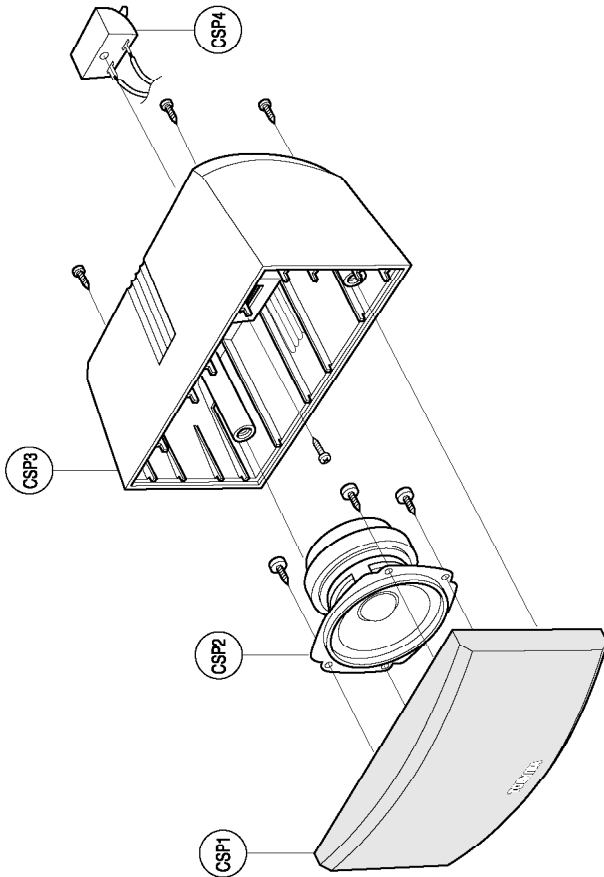
No.	TOSHIBA P/N	Samsung Code No.	Description	Specification	Q'ty
	AG000487	AH97-01117A	DVD MECHA	CMS-D100	
M01	AG000392	AH61-00746A	BASE-MAIN	ABS BLK	1
M02	AG000409	AH63-00294A	TRAY-DISC	ABS D/GRAY	1
M03	AG000429	AH66-00159C	LEVER-LIFT	ABS BLK	1
M04	AG000430	AH66-00160A	PULLEY-MOTOR	POM WHT	1
M05	AG000431	AH66-00161A	GEAR-PULLEY	TPE WHT	1
M06	AG000432	AH66-00162A	GEAR-MIDDLE	TPE WHT	1
M07	AG000433	AH66-00163A	GEAR-TRAY	POM WHT	1
M08	AG000434	AH66-00164A	CLAMPER-UPPER	POM WHT	1
M09	AG000435	AH66-00165A	CLAMPER-LOWER	POM WHT	1
M10	AG000393	AH61-00747A	BRACKET-CHUCK	SECC t1.0	1
M11	AG000436	AH66-00166A	SLIDE-CAM	POM WHT	1
M12	AG000362	AH31-00030A	MOTOR-DC	RF-300CA-11440	1
M13	AG000376	AH41-00352A	PCB-SWITCH	26.5*21.6	1
M14	AG000437	AH66-00167A	BELT-PULLEY	CR 1.5	1
M15	AG000288	3409-001119	SWITCH-DETECTOR	JDS2200	1
M16	AG000385	AH59-00130A	DVD DECK	CMS-S21MG6	1
M17	AG000337	6001-001257	SCREW-MACHINE	1.7*3(W4.5)	2
M18	AG000490	AJ60-10001A	SCREW-TAP	2*5(W7)	6
M19	AG000343	6003-001210	SCREW-TAP	2.6*6(W12)	5
M20	AG000455	AH73-00025B	RUBBER-CD	BUTYL 15	4
M21	AG000394	AH61-00958A	BRACKET-GUID	SECC 1.0t	1
M22	AG000342	6003-000283	SCREW-TAP	3*8	2
	AGJ000360		LASER PICKUP		



2-3 SPEAKER Exploded View and Parts list

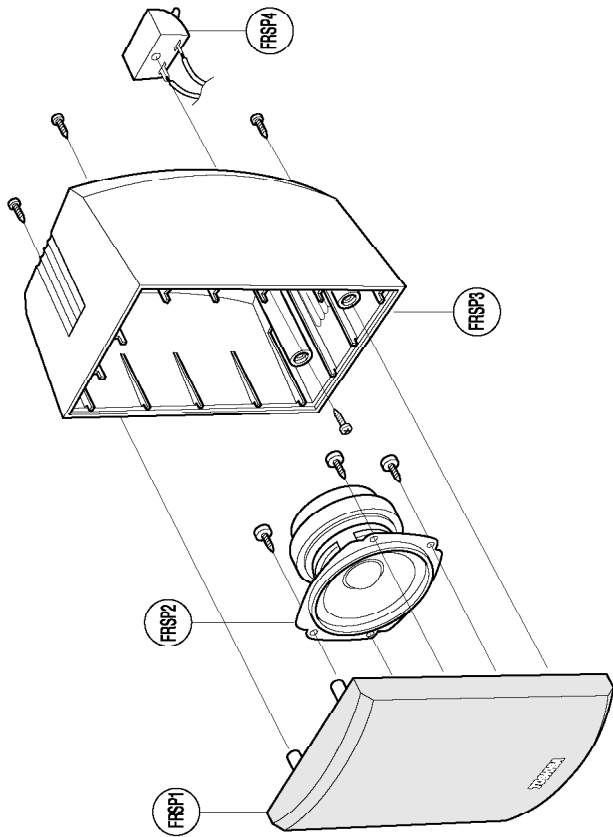
* CENTER SPEAKER

* FRONT/REAR SPEAKER



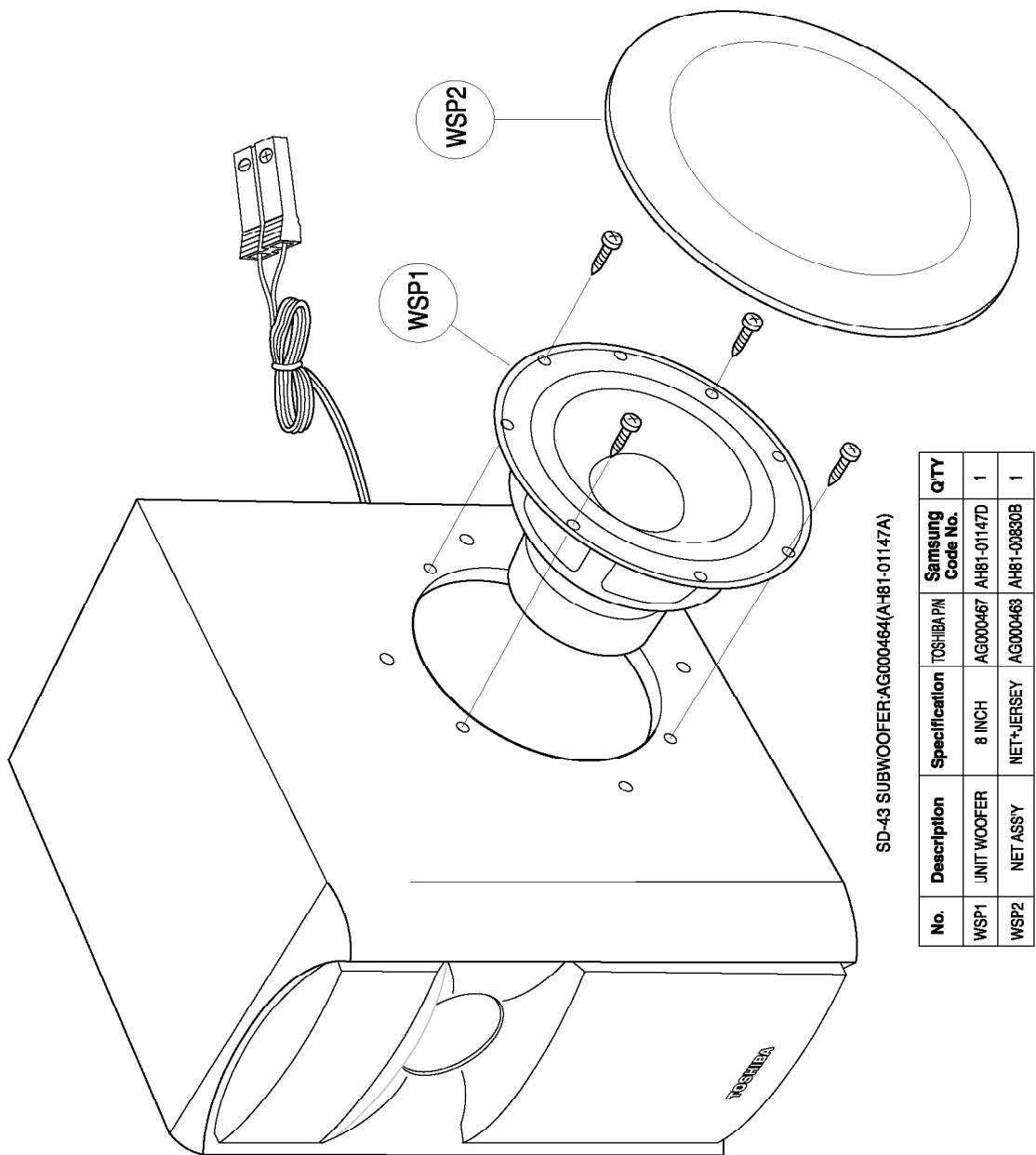
SD-43 CENTER SPEAKER : AG000472(AH81-01147J)

No.	Description	Specification	TOSHIBA P/N	Samsung Code No.	Q'TY
CSP1	FRONT NET ASS'Y	NET+JERSEY +BADGE	AG000462	AH81-00482E	1
CSP2	UNIT-F/RANGE	3 INCH	AG000470	AH81-01147G	1
CSP3	BACK CABINET	HIPS, SILVER	AG000461	AH81-00482C	1
CSP4	TERMINAL	PUSH 2P	AG000457	AH81-00481F	1



SD-43 FRONT/REAR SPEAKER:AG000471(AH81-01147H)

No.	Description	Specification	TOSHIBA P/N	Samsung Code No.	Q'TY
FRSP1	FRONT NET ASS'Y	NET+JERSEY +BADGE	AG000460	AH81-00481M	1
FRSP2	UNIT-F/RANGE	3 INCH	AG000470	AH81-01147G	1
FRSP3	BACK CABINET	HIPS, SILVER	AG000456	AH81-00481C	1
FRSP4	TERMINAL	PUSH 2P	AG000457	AH81-00481F	1



SD-43 SUBWOOFER*AG000464(AH81-01147A)

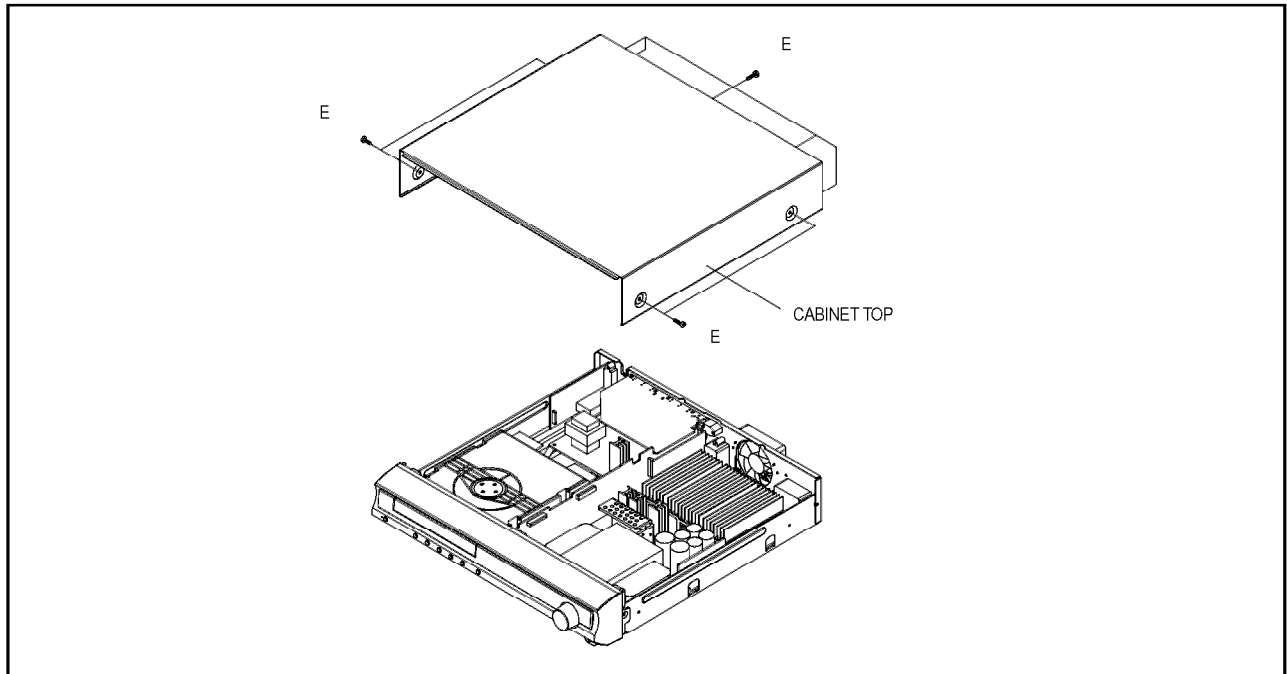
No.	Description	Specification	TOSHIBA P/N	Samsung Code No.	QTY
WSP1	UNIT*WOOFER	8 INCH	AG000467	AH81-01147D	1
WSP2	NET*ASS'Y	NET*JERSEY	AG000463	AH81-00830B	1

3. Disassembly and Reassembly

3-1. CABINET REPLACEMENT

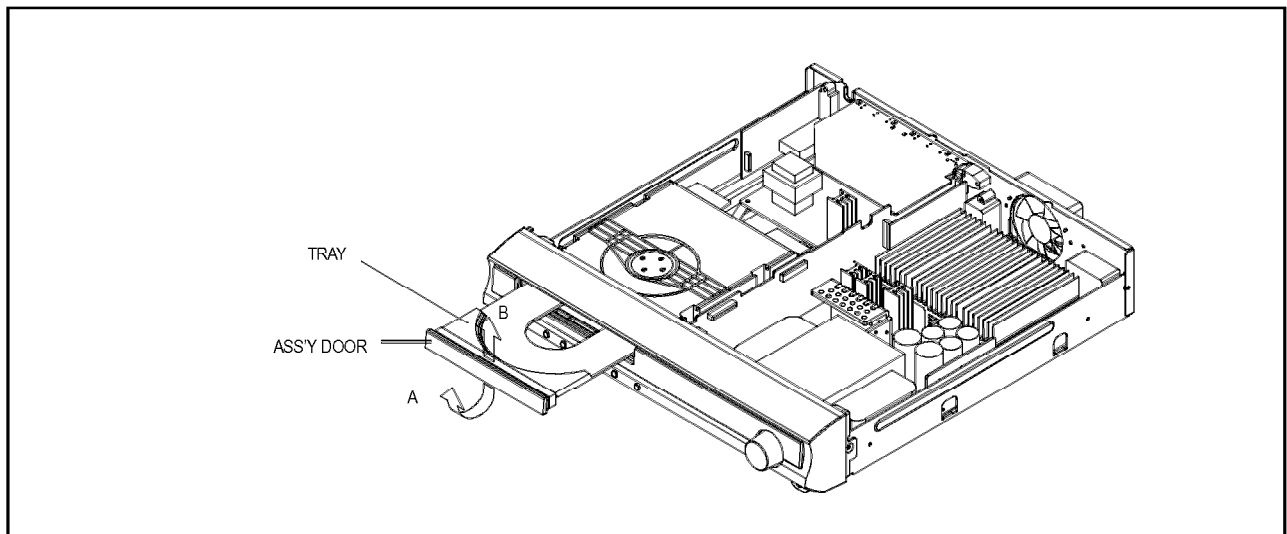
3-1-1. CABINET TOP

1. Remove the top cover by taking out the 9 screws (E) on the periphery that hold it on.



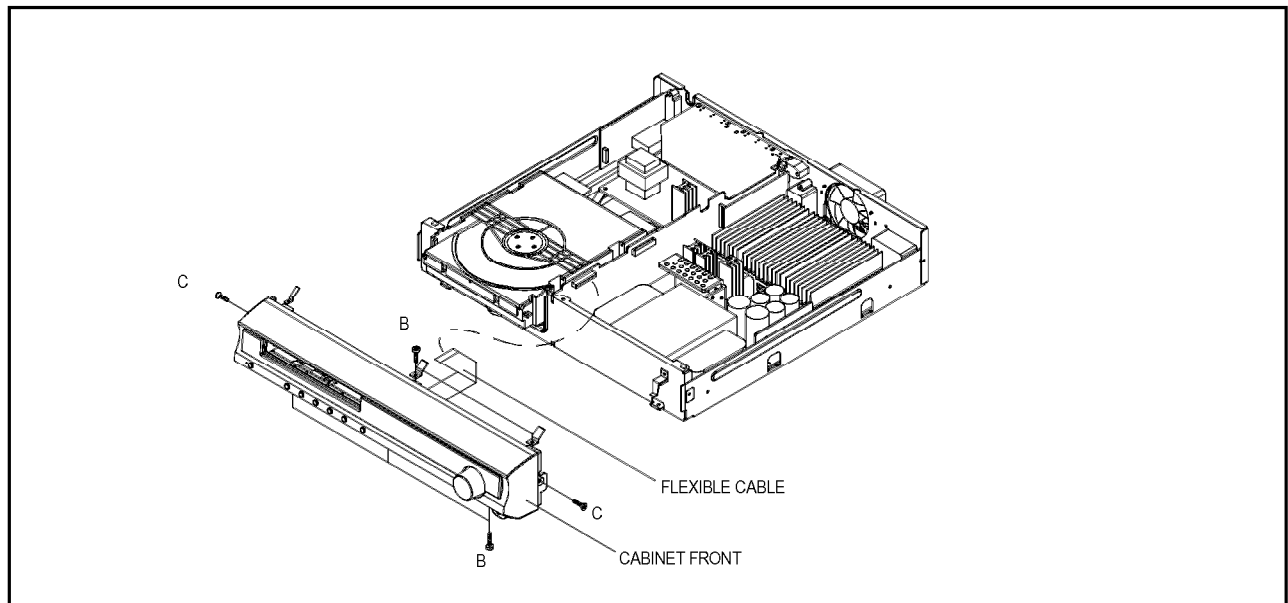
3-1-2. ASS'Y DOOR

1. Turn on the power and open the disc tray.
2. Slightly twist the assembly door in the direction of A and lift it in the direction of B to remove it.
3. Close the assembly door.



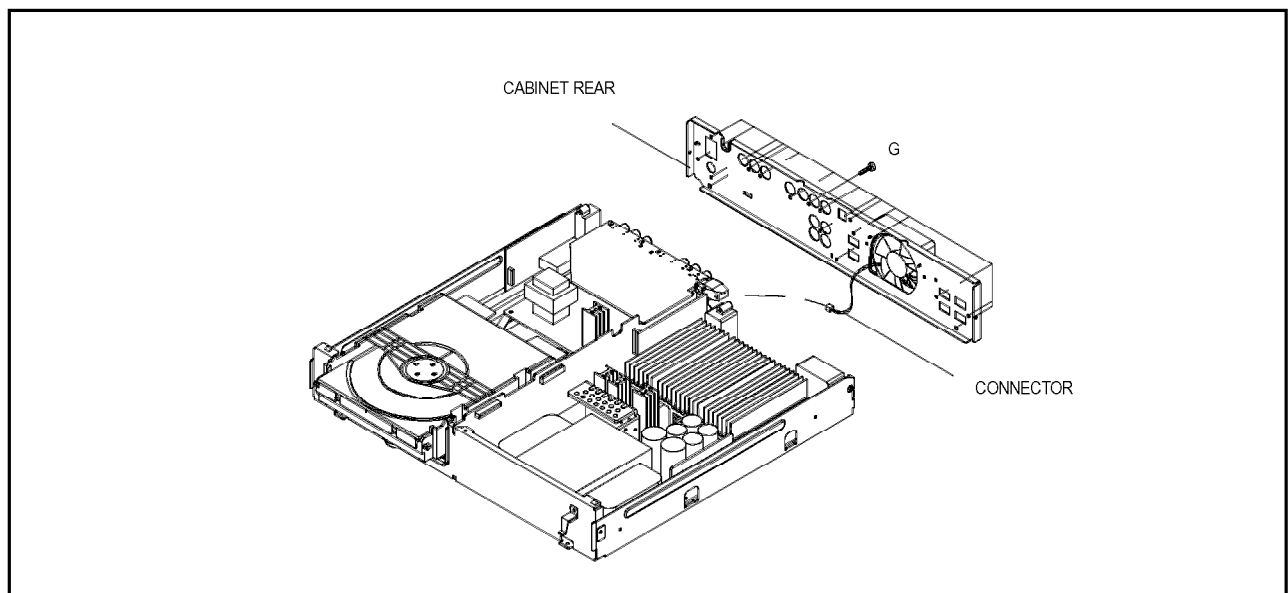
3-1-3. CABINET FRONT

1. Take out the 5 screws (B) and the 2 screws (C).
2. Disconnect the flexible cable and then remove the cabinet front.



3-1-4. CABINET REAR

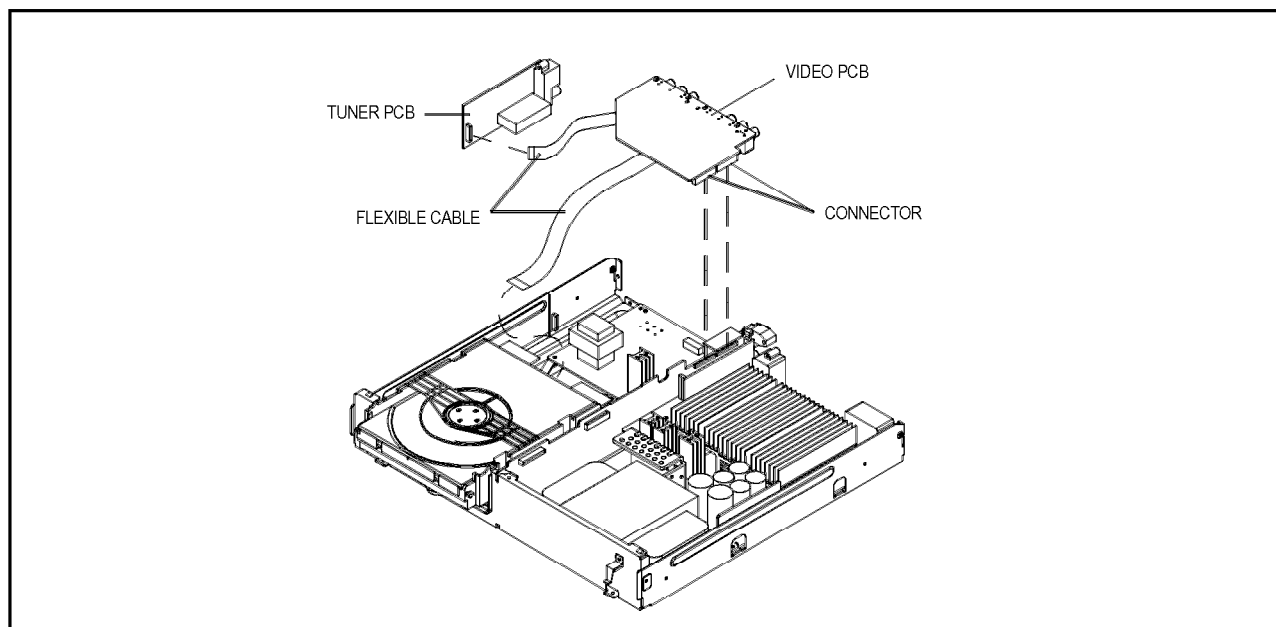
1. Take out the 15 screws (G), unplug the connector, and then remove the cabinet rear.



3-2. PC BOARD REPLACEMENT

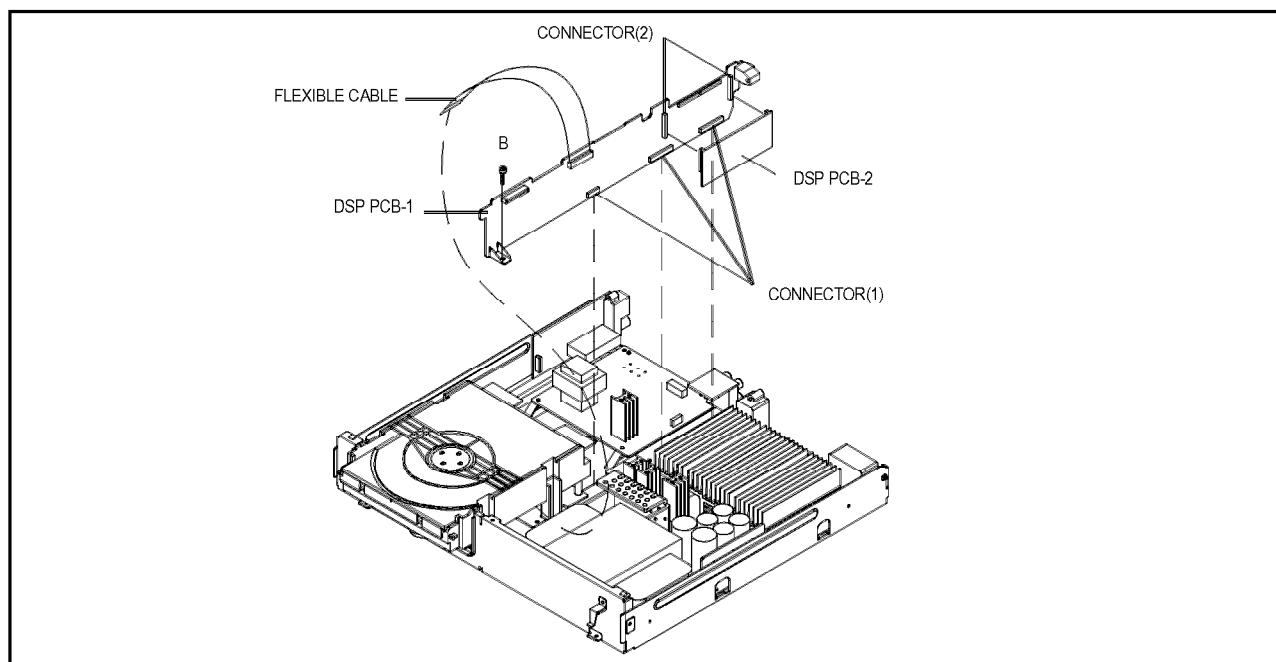
3-2-1. VIDEO PCB, TUNER PCB

1. Disconnect the 2 flexible cables and then remove the TUNER PCB.
2. Unplug the 2 connectors and then remove the VIDEO PCB.



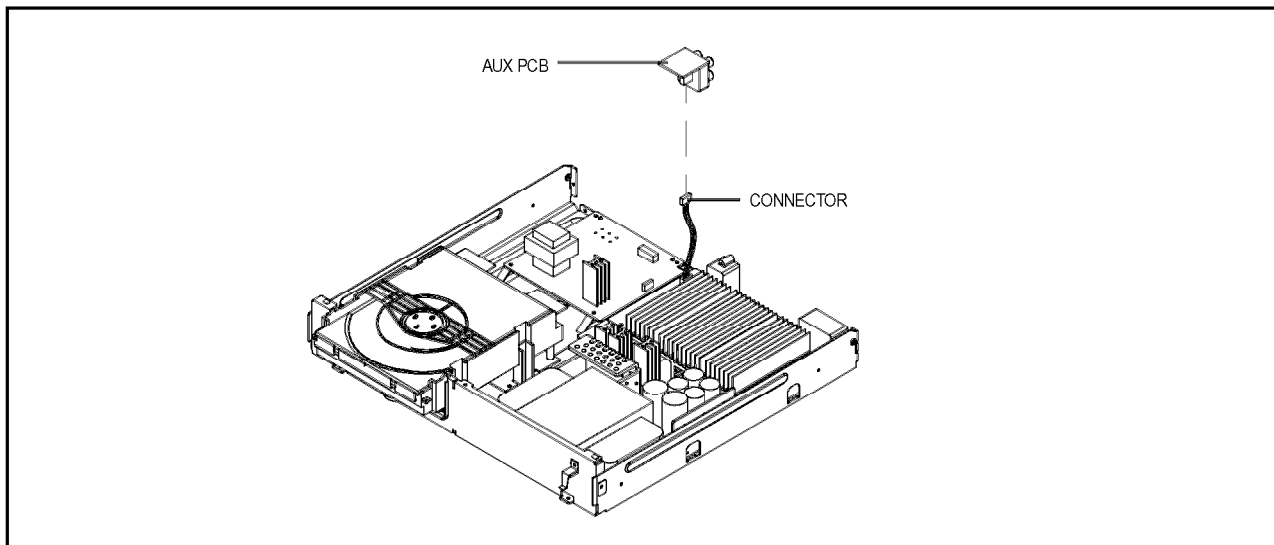
3-2-2. DSP PCB-1, DSP PCB-2

1. Take out the screw (B) and disconnect the flexible cable.
2. Unplug the 3 connectors (CONNECTOR(1)) and then remove the DSP PCB-1.
3. Unplug the 2 connectors (CONNECTOR(2)) and then remove the DSP PCB-2.



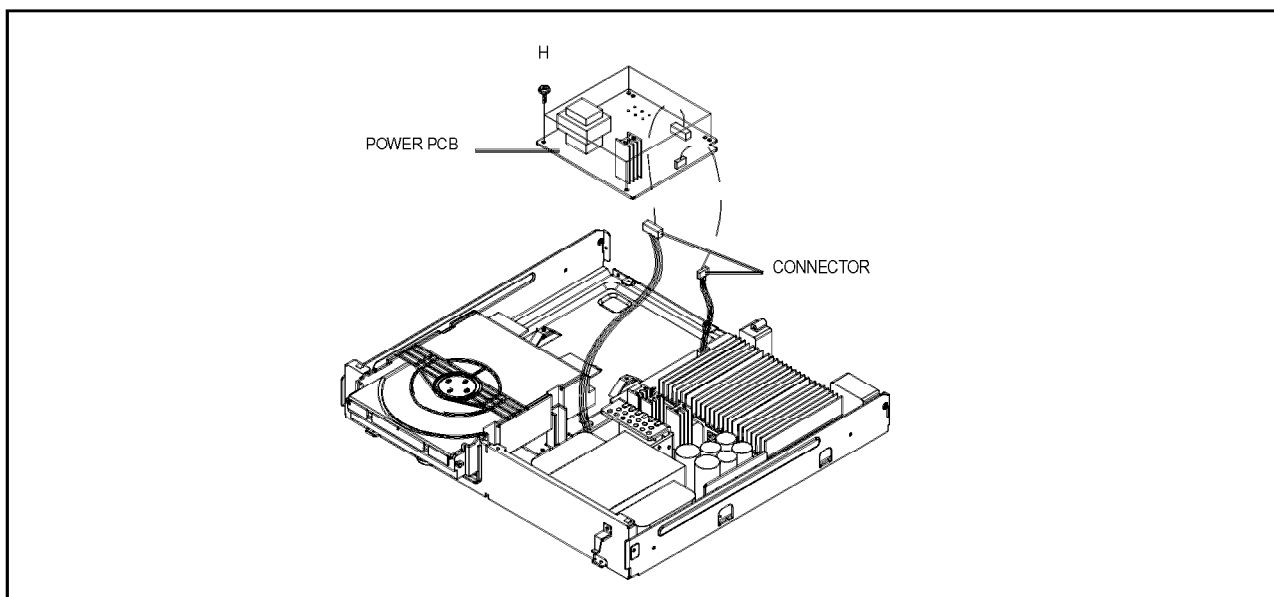
3-2-3. AUX PCB

1. Unplug the connector and then remove the AUX PCB.



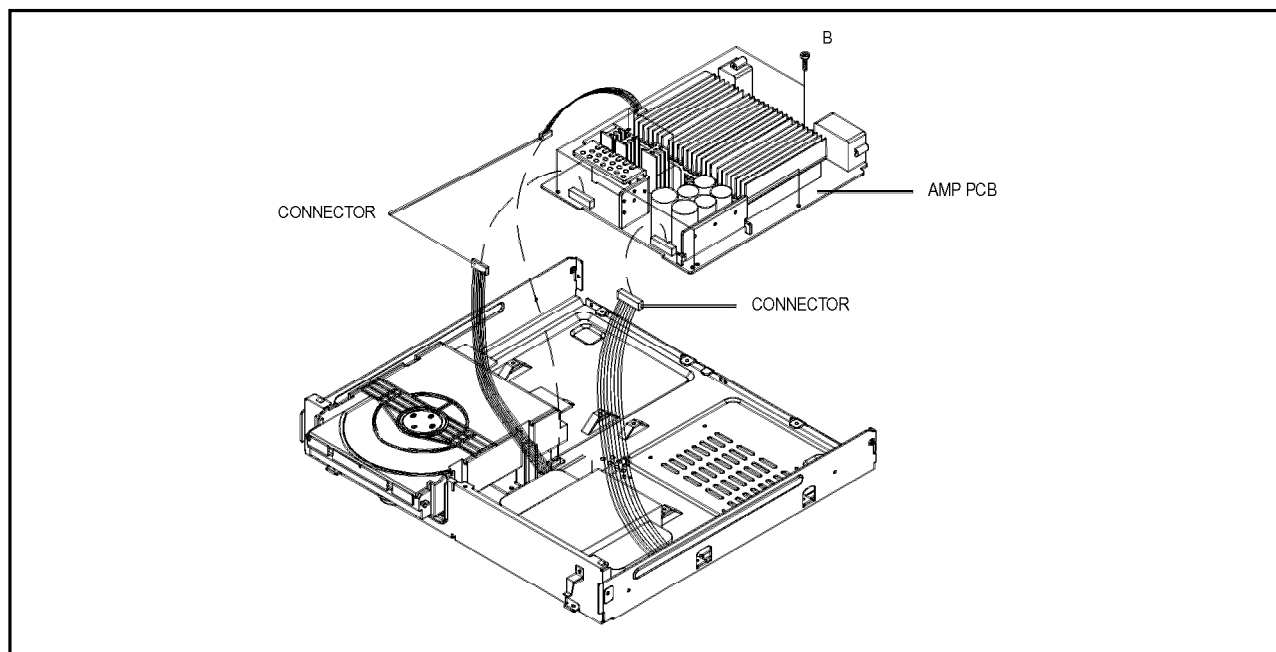
3-2-4. POWER PCB

1. Take out the 4 screws (H).
2. Unplug the 2 connectors and then remove the POWER PCB.



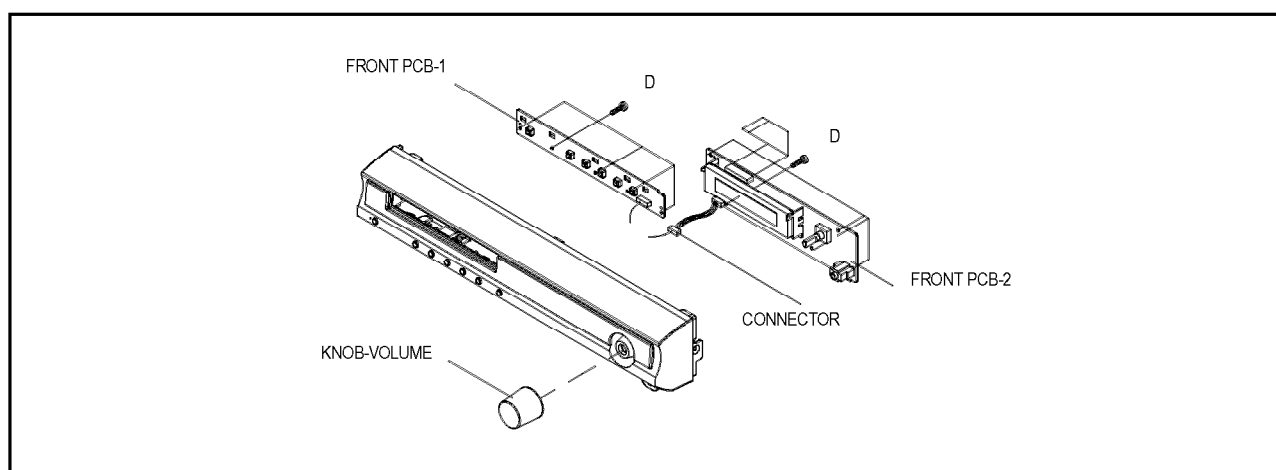
3-2-5. AMP PCB

1. Take out the 6 screws (B).
2. Unplug the 3 connectors and then remove the AMP PCB.



3-2-6. FRONT PCB-1, FRONT PCB-2

1. Remove the KNOB VOLUME and take out the 10 screws (D).
2. Unplug the connector and remove the FRONT PCB-1 and FRONT PCB-2.



4. Electrical Parts List

LOCATION	TOSHIBA PART NO.	SAMSUNG CODE NO.	Description, Specification	REMARK	LOCATION	TOSHIBA PART NO.	SAMSUNG CODE NO.	Description, Specification	REMARK
	AG000356	AH26-002418	TRANS POWER; HT-DM150N, 120V	USA/CANADA	L33	AG000120	2007-000074	R-CHIP, 100ohm, 5%, 1/10W, TP, 1608	
	AG000365	AH39-00258U	POWER CORDEP2, 125V/7A, 1830MM3	EP2(+)	L34	AG000120	2007-000074	R-CHIP, 100ohm, 5%, 1/10W, TP, 1608	
	AG000375	AH40-00044A	TUNER PACK ASSY, KSTAJ011MS-60, FM/MW,	FM/MW	L35	AG000120	2007-000074	R-CHIP, 100ohm, 5%, 1/10W, TP, 1608	
	AG000383	AH42-00001B	ANTENNA-FM 1P, X000089-0, 150#	COMMON	RR32	AG000121	2007-000075	R-CHIP, 220ohm, 5%, 1/10W, TP, 1608	
	AG000384	AH42-20001P	ANT LOOP; KS971126-01, 185UH#10%,	COMMON	R1	AG000121	2007-000075	R-CHIP, 220ohm, 5%, 1/10W, TP, 1608	
	AG000387	AH59-01101A	REMOCOA ASSY, SD-290, TOSHIBA; , FKKEY,	COMMON	AR13	AG000121	2007-000075	R-CHIP, 220ohm, 5%, 1/10W, TP, 1608	
	AG000386	AH59-01119A	DECK/DVD, CMS-S21MG6, FQDM150N, , 39MM, DC	COMMON	SR24	AG000122	2007-000076	R-CHIP, 330ohm, 5%, 1/10W, TP, 1608	
	AG000385	AH59-00130A	DECK; CMS-D100, , CMS-S21MG6	COMMON	SR35	AG000122	2007-000076	R-CHIP, 330ohm, 5%, 1/10W, TP, 1608	
	AG000380	AH30-00018A	PICK UP, SCH-D21, , CMS-21MG6		SR38	AG000122	2007-000076	R-CHIP, 330ohm, 5%, 1/10W, TP, 1608	
	AG000474	AH92-01709A	ASSY PCB, FDM150MLC MOTOR, ESS, MIDAS	COMMON	SR37	AG000122	2007-000076	R-CHIP, 330ohm, 5%, 1/10W, TP, 1608	
D2	AG000013	0401-001090	D-ODE-SWITCHING, 1S355, 80V, 225mA, SOD-323		MR12	AG000122	2007-000076	R-CHIP, 330ohm, 5%, 1/10W, TP, 1608	
D2D2	AG000029	0403-001376	D-ODE-ZENER, IUD23, 48.3, 6-3.845V, 200mW, SOD		MR14	AG000122	2007-000076	R-CHIP, 330ohm, 5%, 1/10W, TP, 1608	
D2D1	AG000030	0403-001411	D-ODE-ZENER, 5.495, 5.73V, 200mW, SOD-323		MR15	AG000122	2007-000076	R-CHIP, 330ohm, 5%, 1/10W, TP, 1608	
RD1	AG000031	0407-000116	D-ODE-ARRAY, DAP202K, 80V, 100mA, CK2-3, SOT-		MR19	AG000122	2007-000076	R-CHIP, 330ohm, 5%, 1/10W, TP, 1608	
RD2	AG000031	0407-000116	D-ODE-ARRAY, DAP202K, 80V, 100mA, CK2-3, SOT-		MR17	AG000122	2007-000076	R-CHIP, 330ohm, 5%, 1/10W, TP, 1608	
VQ1	AG000035	0501-000314	TR-SMALL SIGNAL, KS4812, PNP, 150mW, SOT-23		MR16	AG000122	2007-000076	R-CHIP, 330ohm, 5%, 1/10W, TP, 1608	
VQ5	AG000035	0501-000314	TR-SMALL SIGNAL, KS4812, PNP, 150mW, SOT-23		R28	AG000123	2007-000078	R-CHIP, 1Kohm, 5%, 1/10W, TP, 1608	
VQ3	AG000035	0501-000314	TR-SMALL SIGNAL, KS4812, PNP, 150mW, SOT-23		R35	AG000123	2007-000078	R-CHIP, 1Kohm, 5%, 1/10W, TP, 1608	
VQ4	AG000035	0501-000314	TR-SMALL SIGNAL, KS4812, PNP, 150mW, SOT-23		R55	AG000123	2007-000078	R-CHIP, 1Kohm, 5%, 1/10W, TP, 1608	
VQ6	AG000035	0501-000314	TR-SMALL SIGNAL, KS4812, PNP, 150mW, SOT-23		RR12	AG000123	2007-000078	R-CHIP, 1Kohm, 5%, 1/10W, TP, 1608	
RO1	AG000042	0501-000632	TR-SMALL SIGNAL, 2SB1157K, PNP, 200mW, SOT-2		RR3	AG000123	2007-000078	R-CHIP, 1Kohm, 5%, 1/10W, TP, 1608	
RQ2	AG000042	0501-000632	TR-SMALL SIGNAL, 2SB1157K, PNP, 200mW, SOT-2		SR22	AG000123	2007-000078	R-CHIP, 1Kohm, 5%, 1/10W, TP, 1608	
Q1	AG000047	0504-000128	TR-DIGITAL; , NPN, 200mW, 22K/23K, SOT-23, TP		R26	AG000123	2007-000078	R-CHIP, 1Kohm, 5%, 1/10W, TP, 1608	
U17	AG000053	0801-002518	I-CMOS LOGIC, 74LCX157, 2-INPUT MULTIPLEX		AR1	AG000123	2007-000078	R-CHIP, 1Kohm, 5%, 1/10W, TP, 1608	
U11	AG000054	0801-002683	I-CMOS LOGIC, 74HC74S, TRANSCEIVER, TSSOP		AR52	AG000123	2007-000078	R-CHIP, 1Kohm, 5%, 1/10W, TP, 1608	
OPIC2	AG000055	0802-001125	I-CMOS LOGIC, 74LCK374, BUFFER/LINE DRI		DR46	AG000123	2007-000078	R-CHIP, 1Kohm, 5%, 1/10W, TP, 1608	
OPIC3	AG000056	0802-001125	I-CMOS LOGIC, 74LCK374, FILP-FLOP/SS		DR49	AG000123	2007-000078	R-CHIP, 1Kohm, 5%, 1/10W, TP, 1608	
OPIC1	AG000058	1004-001107	I-AUDIO SWITCH, CS8415A, C2 RECIENVER/DECO		DR50	AG000123	2007-000078	R-CHIP, 1Kohm, 5%, 1/10W, TP, 1608	
DRIC1	AG000060	1003-001450	I-MOTOR DRIVER, BA5484FM, SOP-28P, 300ML		MR21	AG000123	2007-000078	R-CHIP, 1Kohm, 5%, 1/10W, TP, 1608	
DRIC3	AG000061	1003-001508	I-MOTOR DRIVER, FAN80R2D7T, SOP, 3P, 200ML		RI03	AG000123	2007-000078	R-CHIP, 1Kohm, 5%, 1/10W, TP, 1608	
U16	AG000082	1109-001292	I-C EEPROM, SS24A0X21, 8CT0, 35Kx8BIT, SOP-8		RI02	AG000123	2007-000078	R-CHIP, 1Kohm, 5%, 1/10W, TP, 1608	
U14	AG000083	1105-001359	I-DRAM; , AMX18B1T, TSCPI0, 54F410ML, 7		R34	AG000124	2007-000081	R-CHIP, 2.7Kohm, 5%, 1/10W, TP, 1608	
SI02	AG000084	1105-001372	I-DRAM, 4Kx151512D, 1MX160T, SO, 42P, 40		SR9	AG000125	2007-000082	R-CHIP, 3.3Kohm, 5%, 1/10W, TP, 1608	
MI01	AG000085	1107-001203	I-FLASH MEMORY, 49F512, 84Kx8BIT, PLCC, 32P		SR17	AG000125	2007-000082	R-CHIP, 3.3Kohm, 5%, 1/10W, TP, 1608	
U15	AG000086	1107-001416	I-FLASH MEMORY, M29W80DCT, 1MX8191, 20Kx16B		DR13	AG000125	2007-000082	R-CHIP, 3.3Kohm, 5%, 1/10W, TP, 1608	
RI01	AG000089	1201-001790	I-CF AMP, SP3721A, TOPPAP, 10ML, SINGLE		SR10	AG000125	2007-000082	R-CHIP, 3.3Kohm, 5%, 1/10W, TP, 1608	
HL02	AG000010	1201-001942	I-CF AMP, 1L34, C23J3, 15P; , DUAL; , HAL		SR11	AG000125	2007-000082	R-CHIP, 3.3Kohm, 5%, 1/10W, TP, 1608	
MI03	AG000076	1203-001359	I-C VOL DETECTOR, 81AW, SOT-23, 3P, 60ML		RI9	AG000126	2007-000084	R-CHIP, 4.7Kohm, 5%, 1/10W, TP, 1608	
REG4	AG000077	1203-002425	I-C POSI FIXED REG, AP1117, SOT-223, 3P, 138		R78	AG000126	2007-000084	R-CHIP, 4.7Kohm, 5%, 1/10W, TP, 1608	
REG1	AG000080	1203-002877	I-C POSI FIXED REG, AIC1117A, SOT, SOT-223		R76	AG000126	2007-000084	R-CHIP, 4.7Kohm, 5%, 1/10W, TP, 1608	
REG2	AG000081	1203-002935	I-C POSI ADJUST REG, AIC1117A, SOT, SOT-223		R74	AG000126	2007-000084	R-CHIP, 4.7Kohm, 5%, 1/10W, TP, 1608	
REG3	AG000081	1203-002935	I-C POSI ADJUST REG, AIC1117A, SOT, SOT-223		RI2	AG000126	2007-000084	R-CHIP, 4.7Kohm, 5%, 1/10W, TP, 1608	
SI01	AG000083	1204-001936	I-DECODERM705, LQFP178P, 24Kx2MM, PAL/ST		SR8	AG000126	2007-000084	R-CHIP, 4.7Kohm, 5%, 1/10W, TP, 1608	
AIC1	AG000085	1205-002215	I-C CODEP; , STA4481S, SSOP, 28P, 10, 7Kx5, 3MM,		RI04	AG000126	2007-000084	R-CHIP, 4.7Kohm, 5%, 1/10W, TP, 1608	
VL2	AG000118	2007-000029	R-CHIP, 10ohm, 5%, 1/8W, TP, 2012		RI7	AG000126	2007-000084	R-CHIP, 4.7Kohm, 5%, 1/10W, TP, 1608	
PL5	AG000118	2007-000029	R-CHIP, 10ohm, 5%, 1/8W, TP, 2012		R50	AG000126	2007-000084	R-CHIP, 4.7Kohm, 5%, 1/10W, TP, 1608	
L4	AG000118	2007-000029	R-CHIP, 10ohm, 5%, 1/8W, TP, 2012		R49	AG000126	2007-000084	R-CHIP, 4.7Kohm, 5%, 1/10W, TP, 1608	
AR8	AG000118	2007-000029	R-CHIP, 10ohm, 5%, 1/8W, TP, 2012		RR26	AG000127	2007-000088	R-CHIP, 7.5Kohm, 5%, 1/10W, TP, 1608	
DR56	AG000118	2007-000029	R-CHIP, 10ohm, 5%, 1/8W, TP, 2012		RR16	AG000128	2007-000090	R-CHIP, 10Kohm, 5%, 1/10W, TP, 1608	
DR57	AG000118	2007-000029	R-CHIP, 10ohm, 5%, 1/8W, TP, 2012		SR24	AG000128	2007-000090	R-CHIP, 10Kohm, 5%, 1/10W, TP, 1608	
L38	AG000118	2007-000029	R-CHIP, 10ohm, 5%, 1/8W, TP, 2012		SR28	AG000128	2007-000090	R-CHIP, 10Kohm, 5%, 1/10W, TP, 1608	
RR21	AG000119	2007-000070	R-CHIP, 10ohm, 5%, 1/10W, TP, 1608		TR2	AG000128	2007-000090	R-CHIP, 10Kohm, 5%, 1/10W, TP, 1608	
RR2	AG000119	2007-000070	R-CHIP, 10ohm, 5%, 1/10W, TP, 1608		DR15	AG000128	2007-000090	R-CHIP, 10Kohm, 5%, 1/10W, TP, 1608	
RR11	AG000119	2007-000070	R-CHIP, 10ohm, 5%, 1/10W, TP, 1608		DR2	AG000128	2007-000090	R-CHIP, 10Kohm, 5%, 1/10W, TP, 1608	
RR9	AG000119	2007-000070	R-CHIP, 10ohm, 5%, 1/10W, TP, 1608		DR6	AG000128	2007-000090	R-CHIP, 10Kohm, 5%, 1/10W, TP, 1608	
RR27	AG000119	2007-000070	R-CHIP, 10ohm, 5%, 1/10W, TP, 1608		R43	AG000128	2007-000090	R-CHIP, 10Kohm, 5%, 1/10W, TP, 1608	
RR6	AG000119	2007-000070	R-CHIP, 10ohm, 5%, 1/10W, TP, 1608		RR15	AG000128	2007-000090	R-CHIP, 10Kohm, 5%, 1/10W, TP, 1608	
RR7	AG000119	2007-000070	R-CHIP, 10ohm, 5%, 1/10W, TP, 1608		DR11	AG000129	2007-000091	R-CHIP, 12Kohm, 5%, 1/10W, TP, 1608	
SR13	AG000119	2007-000070	R-CHIP, 10ohm, 5%, 1/10W, TP, 1608		SR7	AG000130	2007-000093	R-CHIP, 20Kohm, 5%, 1/10W, TP, 1608	
SR19	AG000119	2007-000070	R-CHIP, 10ohm, 5%, 1/10W, TP, 1608		SR33	AG000131	2007-000094	R-CHIP, 22Kohm, 5%, 1/10W, TP, 1608	
MR22	AG000119	2007-000070	R-CHIP, 10ohm, 5%, 1/10W, TP, 1608		MR26	AG000131	2007-000094	R-CHIP, 22Kohm, 5%, 1/10W, TP, 1608	
MR18	AG000119	2007-000070	R-CHIP, 10ohm, 5%, 1/10W, TP, 1608		DR7	AG000132	2007-000097	R-CHIP, 47Kohm, 5%, 1/10W, TP, 1608	
MR158	AG000119	2007-000070	R-CHIP, 10ohm, 5%, 1/10W, TP, 1608		SR14	AG000132	2007-000097	R-CHIP, 47Kohm, 5%, 1/10W, TP, 1608	
ATL4	AG000119	2007-000070	R-CHIP, 10ohm, 5%, 1/10W, TP, 1608		SR27	AG000132	2007-000097	R-CHIP, 47Kohm, 5%, 1/10W, TP, 1608	
ATL3	AG000119	2007-000070	R-CHIP, 10ohm, 5%, 1/10W, TP, 1608		DR17	AG000132	2007-000097	R-CHIP, 47Kohm, 5%, 1/10W, TP, 1608	
MR30	AG000119	2007-000070	R-CHIP, 10ohm, 5%, 1/10W, TP, 1608		DR16	AG000132	2007-000097	R-CHIP, 47Kohm, 5%, 1/10W, TP, 1608	
RR6	AG000119	2007-000070	R-CHIP, 10ohm, 5%, 1/10W, TP, 1608		DR12	AG000132	2007-000097	R-CHIP, 47Kohm, 5%, 1/10W, TP, 1608	
RR7	AG000119	2007-000070	R-CHIP, 10ohm, 5%, 1/10W, TP, 1608		DR1	AG000132	2007-000097	R-CHIP, 47Kohm, 5%, 1/10W, TP, 1608	
RR47	AG000119	2007-000070	R-CHIP, 10ohm, 5%, 1/10W, TP, 1608		RR25	AG000133	2007-000098	R-CHIP, 58Kohm, 5%, 1/10W, TP, 1608	
RI12	AG000119	2007-000070	R-CHIP, 10ohm, 5%, 1/10W, TP, 1608		RI04	AG000134	2007-000102	R-CHIP, 100Kohm, 5%, 1/10W, TP, 1608	
MR32	AG000119	2007-000070	R-CHIP, 10ohm, 5%, 1/10W, TP, 1608		AR36	AG000134	2007-000102	R-CHIP, 100Kohm, 5%, 1/10W, TP, 1608	
R25	AG000120	2007-000074	R-CHIP, 100ohm, 5%, 1/10W, TP, 1608		AR32	AG000134	2007-000102	R-CHIP, 100Kohm, 5%, 1/10W, TP, 1608	
R24	AG000120	2007-000074	R-CHIP, 100ohm, 5%, 1/10W, TP, 1608		AR16	AG000134	2007-000102	R-CHIP, 100Kohm, 5%, 1/10W, TP, 1608	
R23	AG000120	2007-000074	R-CHIP, 100ohm, 5%, 1/10W, TP, 1608		AR20	AG000134	2007-000102	R-CHIP, 100Kohm, 5%, 1/10W, TP, 1608	
R27	AG000120	2007-000074	R-CHIP, 100ohm, 5%, 1/10W, TP, 1608		AR24	AG000134	2007-000102	R-CHIP, 100Kohm, 5%, 1/10W, TP, 1608	
RR8	AG000120	2007-000074	R-CHIP, 100ohm, 5%, 1/10W, TP, 1608		AR28	AG000134	2007-000102	R-CHIP, 100Kohm, 5%, 1/10W, TP, 1608	
TR1	AG000120	2007-000074	R-CHIP, 100ohm, 5%, 1/10W, TP, 1608		RR28	AG000135	2007-000107	R-CHIP, 470Kohm, 5%, 1/10W, TP, 1608	
AR40	AG000120	2007-000074	R-CHIP, 100ohm, 5%, 1/10W, TP, 1608		R55	AG000136	2007-000113	R-CHIP, 33ohm, 5%, 1/10W, TP, 1608	
AR44	AG000120	2007-000074	R-CHIP, 100ohm, 5%, 1/10W, TP, 1608		R84	AG000136	2007-000113	R-CHIP, 33ohm, 5%, 1/10W, TP, 1608	
AR51	AG000120	2007-000074	R-CHIP, 100ohm, 5%, 1/10W, TP, 1608		R83	AG000136	2007-000113	R-CHIP, 33ohm, 5%, 1/10W, TP, 1608	
L29	AG000120	2007-000074	R-CHIP, 100ohm, 5%, 1/10W, TP, 1608		R82	AG000136	2007-000113	R-CHIP, 33ohm, 5%, 1/10W, TP, 1608	
L32	AG000120	2007-000074	R-CHIP, 100ohm, 5%, 1/10W, TP, 1608						

LOCATION	TOSHIBA PART NO.	SAMSUNG CODE NO.	Description/Specification	REMARK
TC5	AG000200	2203-000280	C-CERAM C,CHP,0.01NF0,SPF50V,COG,TP1	
TC4	AG000200	2203-000280	C-CERAM C,CHP,0.01NF0,SPF50V,COG,TP1	
TC3	AG000200	2203-000280	C-CERAM C,CHP,0.01NF0,SPF50V,COG,TP1	
TC2	AG000200	2203-000280	C-CERAM C,CHP,0.01NF0,SPF50V,COG,TP1	
SC80	AG000204	2203-000384	C-CERAM C,CHP,0.01NF0,SPF50V,COG,TP160	
C26	AG000205	2203-000440	C-CERAM C,CHP,1F,10%,50V,XTR,TP1608-	
SC19	AG000205	2203-000440	C-CERAM C,CHP,1F,10%,50V,XTR,TP1608-	
SC11	AG000205	2203-000440	C-CERAM C,CHP,1F,10%,50V,XTR,TP1608-	
SC9	AG000205	2203-000440	C-CERAM C,CHP,1F,10%,50V,XTR,TP1608-	
RC25	AG000205	2203-000440	C-CERAM C,CHP,1F,10%,50V,XTR,TP1608-	
RC26	AG000205	2203-000440	C-CERAM C,CHP,1F,10%,50V,XTR,TP1608-	
AC31	AG000205	2203-000440	C-CERAM C,CHP,1F,10%,50V,XTR,TP1608-	
AC30	AG000205	2203-000440	C-CERAM C,CHP,1F,10%,50V,XTR,TP1608-	
AC15	AG000205	2203-000440	C-CERAM C,CHP,1F,10%,50V,XTR,TP1608-	
C116	AG000208	2203-000646	C-CERAM C,CHP,0.024NF,50V,COG,TP160	
C53	AG000209	2203-000681	C-CERAM C,CHP,0.027NF,50V,COG,TP160	
C55	AG000209	2203-000681	C-CERAM C,CHP,0.027NF,50V,COG,TP160	
C54	AG000209	2203-000681	C-CERAM C,CHP,0.027NF,50V,COG,TP160	
RC46	AG000209	2203-000681	C-CERAM C,CHP,0.027NF,50V,COG,TP160	
C115	AG000209	2203-000681	C-CERAM C,CHP,0.027NF,50V,COG,TP160	
C51	AG000209	2203-000681	C-CERAM C,CHP,0.027NF,50V,COG,TP160	
C52	AG000209	2203-000681	C-CERAM C,CHP,0.027NF,50V,COG,TP160	
C59	AG000212	2203-000888	C-CERAM C,CHP,4.7F,10%,50V,XTR,TP1608	
GC4	AG000212	2203-000888	C-CERAM C,CHP,4.7F,10%,50V,XTR,TP1608	
D01	AG000212	2203-000872	C-CERAM C,CHP,470F,10%,16V,XTR,TP1608	
SC14	AG000214	2203-000872	C-CERAM C,CHP,470F,10%,16V,XTR,TP1608	
RC17	AG000214	2203-000872	C-CERAM C,CHP,470F,10%,16V,XTR,TP1608	
SC28	AG000215	2203-000999	C-CERAM C,CHP,0.047NF,50V,COG,TP160	
C101	AG000215	2203-000999	C-CERAM C,CHP,0.047NF,50V,COG,TP160	
RC28	AG000217	2203-001052	C-CERAM C,CHP,0.59F,10%,50V,XTR,TP160	
SC48	AG000218	2203-001071	C-CERAM C,CHP,0.059F,50V,COG,TP160	
SC12	AG000218	2203-001071	C-CERAM C,CHP,0.059F,50V,COG,TP160	
RC17	AG000218	2203-001103	C-CERAM C,CHP,8.9F,10%,50V,XTR,TP1608	
RC9	AG000220	2203-001126	C-CERAM C,CHP,0.68F,10%,50V,XTR,TP160	
RC19	AG000220	2203-001126	C-CERAM C,CHP,0.68F,10%,50V,XTR,TP160	
RC18	AG000220	2203-001126	C-CERAM C,CHP,0.68F,10%,50V,XTR,TP160	
RC15	AG000220	2203-001126	C-CERAM C,CHP,0.68F,10%,50V,XTR,TP160	
RC13	AG000220	2203-001126	C-CERAM C,CHP,0.68F,10%,50V,XTR,TP160	
SC35	AG000225	2203-001573	C-CERAM C,CHP,0.012F,50V,NPQ,TP160	
SC29	AG000225	2203-001573	C-CERAM C,CHP,0.012F,50V,NPQ,TP160	
RC18	AG000229	2203-001636	C-CERAM C,CHP,0.033F,50V,NPQ,TP160	
RC36	AG000229	2203-001636	C-CERAM C,CHP,0.033F,50V,NPQ,TP160	
RC14	AG000229	2203-001636	C-CERAM C,CHP,0.033F,50V,NPQ,TP160	
RC12	AG000229	2203-001636	C-CERAM C,CHP,0.033F,50V,NPQ,TP160	
RC43	AG000512	2203-001652	C-CERAM C,CHP,470F,+40-20%,16V,SVTP	
SC12	AG000512	2203-001652	C-CERAM C,CHP,470F,+40-20%,16V,SVTP	
SC16	AG000520	2203-001656	C-CERAM C,CHP,0.47F,5%,50V,NPQ,TP1608	
SC25	AG000230	2203-001656	C-CERAM C,CHP,0.47F,5%,50V,NPQ,TP1608	
SC11	AG000230	2203-001656	C-CERAM C,CHP,0.47F,5%,50V,NPQ,TP1608	
SC23	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
SC24	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
SC25	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
SC26	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
SC21	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
RC43	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
RC40	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
RC17	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
SC18	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
SC17	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
SC16	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
SC12	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
SC27	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
SC40	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
SC15	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
SC8	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
SC9	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
VC2	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
SC4	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
SC31	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
SC32	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
SC37	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
SC38	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
SC39	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
RC41	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
PC12	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
RC14	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
PC4	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
PC8	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
PC9	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
PC1	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
LC1	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
LC2	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
LC3	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
MC7	AG000237	7703-000505	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
RC1	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
RC30	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
RC35	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
RC36	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
RC4	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
RC40	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
RC3	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
RC11	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
RC2	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
RC23	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	
RC28	AG000232	2203-001605	C-CERAM C,CHP,100F,10%,16V,XTR,TP1608	

LOCATION	TOSHBA PART NO.	SAMSUNG CODE NO.	Description/Specification	REMARK
RC79	AG000237	7703-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C72	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C75	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C76	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C77	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C78	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C81	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C83	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C84	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C85	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C87	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C88	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C71	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C95	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C86	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C98	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C99	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
DC1	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
DC13	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
DC2	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C83	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C84	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C85	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C87	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C89	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C100	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C102	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C103	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C104	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C106	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C107	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
DC6	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
DC5	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
AC3	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
AC5	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
AC7	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
AC9	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C39	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C58	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C58	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
U80	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C81	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C82	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C108	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C109	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C110	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C111	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C113	AG000237	7703-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
C119	AG000232	2203-005005	C-CERAMIC,CHP,1000F,10%,18V,XTR,TP,1608	
MC6	AG000233	2203-005085	C-CERAMIC,CHP,1000F,+80-20%,10V,VSXTP	
C48	AG000233	2203-005085	C-CERAMIC,CHP,1000F,+80-20%,10V,VSXTP	
C43	AG000233	2203-005085	C-CERAMIC,CHP,1000F,+80-20%,10V,VSXTP	
C80	AG000270	2402-000009	CAL.SMD,47UF,20%,6.3V,GP,TP5,3x5,3x5	
C88	AG000270	2402-000009	CAL.SMD,47UF,20%,6.3V,GP,TP5,3x5,3x5	
C73	AG000270	2402-000009	CAL.SMD,47UF,20%,6.3V,GP,TP5,3x5,3x5	
C70	AG000270	2402-000009	CAL.SMD,47UF,20%,6.3V,GP,TP5,3x5,3x5	
PC11	AG000270	2402-000009	CAL.SMD,47UF,20%,6.3V,GP,TP5,3x5,3x5	
RC34	AG000270	2402-000009	CAL.SMD,47UF,20%,6.3V,GP,TP5,3x5,3x5	
RC37	AG000270	2402-000009	CAL.SMD,47UF,20%,6.3V,GP,TP5,3x5,3x5	
RC45	AG000270	2402-000009	CAL.SMD,47UF,20%,6.3V,GP,TP5,3x5,3x5	
AC38	AG000270	2402-000009	CAL.SMD,47UF,20%,6.3V,GP,TP5,3x5,3x5	
AC4	AG000270	2402-000009	CAL.SMD,47UF,20%,6.3V,GP,TP5,3x5,3x5	
AC6	AG000270	2402-000009	CAL.SMD,47UF,20%,6.3V,GP,TP5,3x5,3x5	
C105	AG000270	2402-000009	CAL.SMD,47UF,20%,6.3V,GP,TP5,3x5,3x5	
C89	AG000270	2402-000009	CAL.SMD,47UF,20%,6.3V,GP,TP5,3x5,3x5	
C86	AG000270	2402-000009	CAL.SMD,47UF,20%,6.3V,GP,TP5,3x5,3x5	
C40	AG000270	2402-000009	CAL.SMD,47UF,20%,6.3V,GP,TP5,3x5,3x5	
C38	AG000270	2402-000009	CAL.SMD,47UF,20%,6.3V,GP,TP5,3x5,3x5	
VC1	AG000271	2402-000107	CAL.SMD,100UF,20%,6.3V,GP,TP6,8x6,8x6	
RC7	AG000271	2402-000107	CAL.SMD,100UF,20%,6.3V,GP,TP6,8x6,8x6	
RC20	AG000271	2402-000107	CAL.SMD,100UF,20%,6.3V,GP,TP6,8x6,8x6	
PC13	AG000271	2402-000107	CAL.SMD,100UF,20%,6.3V,GP,TP6,8x6,8x6	
PC10	AG000271	2402-000107	CAL.SMD,100UF,20%,6.3V,GP,TP6,8x6,8x6	
AC40	AG000272	2402-000176	CAL.SMD,10UF,20%,18V,GP,TP4,3x4,3x5,4	
AC39	AG000272	2402-000176	CAL.SMD,10UF,20%,18V,GP,TP4,3x4,3x5,4	
AC36	AG000272	2402-000176	CAL.SMD,10UF,20%,18V,GP,TP4,3x4,3x5,4	
AC3	AG000272	2402-000176	CAL.SMD,10UF,20%,18V,GP,TP4,3x4,3x5,4	
C11	AG000272	2402-000176	CAL.SMD,10UF,20%,18V,GP,TP4,3x4,3x5,4	
C74	AG000272	2402-000176	CAL.SMD,10UF,20%,18V,GP,TP4,3x4,3x5,4	
AC10	AG000272	2402-000176	CAL.SMD,10UF,20%,18V,GP,TP4,3x4,3x5,4	
AC14	AG000272	2402-000176	CAL.SMD,10UF,20%,18V,GP,TP4,3x4,3x5,4	
AC17	AG000272	2402-000176	CAL.SMD,10UF,20%,18V,GP,TP4,3x4,3x5,4	
AC28	AG000272	2402-000176	CAL.SMD,10UF,20%,18V,GP,TP4,3x4,3x5,4	
AC24	AG000272	2402-000176	CAL.SMD,10UF,20%,18V,GP,TP4,3x4,3x5,4	
AC21	AG000272	2402-000176	CAL.SMD,10UF,20%,18V,GP,TP4,3x4,3x5,4	
PC2	AG000273	2402-001042	CAL.SMD,100UF,20%,18V,GP,TP6,8x6,8x6	
PC3	AG000274	2402-001059	CAL.SMD,220UF,20%,6.3V,TP,6X6,6X6,6	
SC3	AG000274	2402-001059	CAL.SMD,220UF,20%,6.3V,TP,6X6,6X6,6	
VL1	AG000278	2703-000125	INDU,CTOR,SMD,10UH,10%,1.25x2x1.25mm	
DKT1	AG000279	2801-004180	CRYSTAL-SMD,33.868MHz,50PPM,28-AAAN,12PF	
Y3	AG000280	2801-004284	CRYSTAL-SMD,27MHz,1.0PPM,28-AAAN,20PF,30CH	
L28	AG000283	3301-001069	BEAD-SMD,AB,1.6x0.8x0.8mm,-	
AL9	AG000283	3301-001069	BEAD-SMD,AB,1.6x0.8x0.8mm,-	

LOCATION	TOSHIBA PART NO.	SAMSUNG CODE NO.	Description/Specification	REMARK	
AI7	AG000283	3301-001069	RFAT-SMD,AR,1.6x0.8x0.8mm,-		
L31	AG000283	3301-001069	BEAD-SMD,AB,1.6x0.8x0.8mm,-		
R83	AG000283	3301-001069	BEAD-SMD,AB,1.6x0.8x0.8mm,-		
RL1	AG000283	3301-001069	BEAD-SMD,AB,1.6x0.8x0.8mm,-		
RL2	AG000283	3301-001069	BEAD-SMD,AB,1.6x0.8x0.8mm,-		
AL6	AG000283	3301-001069	BEAD-SMD,AB,1.6x0.8x0.8mm,-		
AL16	AG000283	3301-001069	BEAD-SMD,AB,1.6x0.8x0.8mm,-		
AL17	AG000283	3301-001069	BEAD-SMD,AB,1.6x0.8x0.8mm,-		
AL19	AG000283	3301-001069	BEAD-SMD,AB,1.6x0.8x0.8mm,-		
AL2	AG000283	3301-001069	BEAD-SMD,AB,1.6x0.8x0.8mm,-		
AL5	AG000283	3301-001069	BEAD-SMD,AB,1.6x0.8x0.8mm,-		
AL4	AG000283	3301-001069	BEAD-SMD,AB,1.6x0.8x0.8mm,-		
AL20	AG000283	3301-001069	BEAD-SMD,AB,1.6x0.8x0.8mm,-		
PL17	AG000284	3301-001495	BEAD-SMD,AB,120CH,M,2.0X1,2X0.9MM,2500MA		
PL18	AG000284	3301-001495	BEAD-SMD,AB,120CH,M,2.0X1,2X0.9MM,2500MA		
PL19	AG000284	3301-001495	BEAD-SMD,AB,120CH,M,2.0X1,2X0.9MM,2500MA		
PL3	AG000284	3301-001495	BEAD-SMD,AB,120CH,M,2.0X1,2X0.9MM,2500MA		
PL7	AG000284	3301-001495	BEAD-SMD,AB,120CH,M,2.0X1,2X0.9MM,2500MA		
PL8	AG000284	3301-001495	BEAD-SMD,AB,120CH,M,2.0X1,2X0.9MM,2500MA		
VL3	AG000284	3301-001495	BEAD-SMD,AB,120CH,M,2.0X1,2X0.9MM,2500MA		
PL13	AG000284	3301-001495	BEAD-SMD,AB,120CH,M,2.0X1,2X0.9MM,2500MA		
AL18	AG000284	3301-001495	BEAD-SMD,AB,120CH,M,2.0X1,2X0.9MM,2500MA		
AL21	AG000284	3301-001495	BEAD-SMD,AB,120CH,M,2.0X1,2X0.9MM,2500MA		
ASL1	AG000284	3301-001495	BEAD-SMD,AB,120CH,M,2.0X1,2X0.9MM,2500MA		
L40	AG000284	3301-001495	BEAD-SMD,AB,120CH,M,2.0X1,2X0.9MM,2500MA		
L41	AG000284	3301-001495	BEAD-SMD,AB,120CH,M,2.0X1,2X0.9MM,2500MA		
PL1	AG000284	3301-001495	BEAD-SMD,AB,120CH,M,2.0X1,2X0.9MM,2500MA		
PL10	AG000284	3301-001495	BEAD-SMD,AB,120CH,M,2.0X1,2X0.9MM,2500MA		
AS1	AG000289	3708-001615	CONNECTOR,PP0FF0PIC,24P,1MM,SMD,S,SN		
AI1	AG000300	3708-001605	CONNECTOR,PP0FF0PIC,24P,1MM,SMD,S,SN		
CON1	AG000301	3708-001606	CONNECTOR,PP0FF0PIC,24P,1MM,SMD,S,SN		
CN3	AG000313	3711-002533	CONNECTOR-HEADER,BOK,5P,1R,2MM,ANGLE,SN		
M4	AG000318	3711-005180	CONNECTOR-HEADER,BOK,5P,1R,2MM,SMD,S,SN		
PQN1	AG000320	3711-005307	CONNECTOR-HEADER,BOK,5P,1R,2MM,SMD,S,SN		
U13	AG000351	AH09-00095A	IC,MICOM,ESR028FN,SD43,20PIN,3.3V,27MHZ		
PC8	AG000377	AH41-00571A	PCB,HTD300,EXPXY,4,-1,20T,14x5		
AG000487			AH97-01117A	ASSY DVD DECK,-,-CMS-D100	COMMON
AG000009			0205-001108	GREASE-HARD,G-9904X,40-150,1KG	
AG000010			0205-001109	GREASE-HARD,DMS231,HARD,1KG,ICAN	
AG000288			3409-001119	SW1,CH,UE,1C,1CH,SV,DC,1,0A,UP,ST,30g,-	
AG000332			3809-001452	CABLE-FLAT,30V,80C,120MM,24P,1MM,AWM2069	
AG000337			6001-001257	SCREW-MACHINE,PWH,+MT,L8,ZPQ(YEL),SWR	
AG000340			6003-000152	SCREW-TAPTITE,PH,+B,M2,L10,ZPQ(YEL),SWR	
AG000340			6003-000152	SCREW-TAPTITE,PH,+B,M2,L10,ZPQ(YEL),SWR	
AG000342			6003-000283	SCREW-TAPTITE,BH,+B,M3,L8,ZPQ(YEL),SM20	
AG000343			6003-001210	SCREW-TAPTITE,PWH,+B,M2,L8.0,ZPQ(YEL)	
AG000349			AH02-000414	TAPE-FTT,WASHER,PCR,CMS-D100,-,PVC,-	
AG000369			AH39-00473A	WIRE HARNESS,DECK,COONNECT,CMS-D100,-,-	
AG000370			AH39-00491A	WIRE HARNESS,DECK,COONNECT,SD43,UL,1007	
AG000376			AH41-00352A	PCB-SWITCH,CMS-D100,-,-26,5P21,8,-	
AG000382			AH61-00746A	BASE-MAIN,CMS-D100,ABS,BLK,-,----	
AG000383			AH61-00747A	BRACKET-CHUCK,-,SECC,T1.0,-----	
AG000394			AH61-00658A	BRACKET-GUIDE,-,SECC,T1.0,-----	
AG000406			AH63-00003D	SHEET-HIMERON,CMS-D100,HIMERON,1.0T,10,1	
AG000409			AH63-00244A	TRAY-DISC;-ABS,BLK,-,-----	
AG000429			AH66-00159C	LEVER-LIFT,CMS-SD100,ABS+PC,-----	
AG000430			AH66-00180A	PULLEY-MOTOR,CMS-D100,POM,BLK,-----	
AG000431			AH66-00181A	GEAR-PULLEY,CMS-D100,POM,BLK,-,-----	
AG000432			AH66-00182A	GEAR-MIDDLE,CMS-D100,TPE,BLK,-,-----	
AG000433			AH66-00183A	GEAR-TRAY,CMS-D100,POM,BLK,-,-----	
AG000434			AH66-00184A	TRAY-CLAMPER UPPER,CMS-D100,POM,WHIT,-	
AG000435			AH66-00185A	TRAY-CLAMPER LOWER,CMS-D100,POM,WHIT,-	
AG000436			AH66-00186A	SLIDER-CAUL,CMS-D100,POM,WHIT,-,-----	
AG000437			AH66-00187A	PULLEY-BELT,CMS-D100,CR,1.5,-----	
AG000447			AH68-00254B	LABEL-SERIAL,ART,PAPER,T0.1,L10,W45,-	
AG000445			AH73-00035B	RUBBER-CD,CMS-D100,BUTYL,15,-,-----	
AG000490			A.60-10001A	SCREW-TP,WASHER 6.8 M2x5	
AG000392			AH31-00030A	MOTOR,DC,RF-300CH,88mA,1-0V,141#	
AG000388			AH59-01215A	SPEAKER SYSTEM,SD-43,SPK,	COMMON
AG000456			AH61-00481C	AS PART-FRONT NET,PS SA100H,HIPS BLACK,	
AG000457			AH61-00481F	AS PART-UNIT 3 INCH,PS SA100H,F,30C-D177	
AG000458			AH61-00481J	AS PART-CORD SPEAKER,150W,PS SA100H,0.114	
AG000459			AH61-00481K	AS PART-CUSHION TOP,PS SA100H,EPS,462#	
AG000460			AH61-00481M	AS PART-NEASSY,PS SA100H,-,NET,ASS	
AG000461			AH61-00482C	AS PART-FRONT NET,PS CA100H,HIPS BLACK,	
AG000462			AH61-00482E	AS PART-BADGE BASE,PS CA100H,HIPS GRAY,	
AG000463			AH61-00830B	AS PART-NET FRAME,PS WA150,-,NET,FRAM	
AG000464			AH61-01147A	AS PART-SUB WIF,SPK SYSTEM,SD43,-,-,SU	
AG000465			AH61-01147B	AS PART-SUB WIF,FRONT PANEL,SD43,-,-,S	
AG000466			AH61-01147C	AS PART-SUB WIF,WOOD CABINET,SD 43,-,-	
AG000467			AH61-01147D	AS PART-SUB WIF,UNIT WOODER,SD43,-,-,S	
AG000469			AH61-01147E	AS PART-SUB WIF,CUSHION TOP,SD43,-,-,S	
AG000469			AH61-01147F	AS PART-SUB WIF,CUSHION BTM,SD43,-,-,S	
AG000470			AH61-01147G	AS PART-SATELLITE UNIT,WIF,SD43,-,-,SA	
AG000471			AH61-01147H	AS PART-FRONT/REAR SPEAKER,SD43,-,-,FR	
AG000472			AH61-01147J	AS PART-CENTER SPEAKER,SD43,-,-,CENTER	
AG000473			AH61-01147K	AS PART-SPEAKER CORD,SD43,-,-,SPEAKER	
AG000445			AH68-01286A	MANUAL-BOOK,SD-43HT,ENG,80G	USA
AG000448			AH68-01286B	MANUAL-BOOK,SD-43HT,ENG,FRN,80G	CANADA
AG000446			AH68-01286E	MANUAL-BOOK,SD-43HT,SPA,80G	USA

LOCATION	TOSHIBA PART NO.	SAMSUNG CODE NO.	Description/Specification	REMARK	LOCATION	TOSHIBA PART NO.	SAMSUNG CODE NO.	Description/Specification	REMARK
	AG000452	AH69-00916A	MASTER CARTON(SD-43K,TBU	USA	D59	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
	AG000573	AH69-00916B	MASTER CARTON(SD-43K,TBC	CANADA	D60	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
	AG000475	AH62-01712A	ASSY PCB-MAIN(SD-43,MAIN PCB	US&CANADA	D61	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
SD1	AG000015	0402-002268	DIODE-RECTIFIER,5836V,80V,3A,DO-201AD,TP		D62	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
PB02	AG000017	0402-001077	DIODE-BRIDGE,KSP20G3,200V,2A,SIP4		D61RR	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
PB01	AG000018	0402-001259	DIODE-BRIDGE,GBU06,600V,6A,SIP-4,BK		D38RR	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
B04	AG000018	0402-001259	DIODE-BRIDGE,GBU06,600V,6A,SIP-4,BK		D38W	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
B03	AG000018	0402-001259	DIODE-BRIDGE,GBU06,600V,6A,SIP-4,BK		D50C	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
B02	AG000018	0402-001259	DIODE-BRIDGE,GBU06,600V,6A,SIP-4,BK		D50FL	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
IC4	AG000072	1203-000110	IC-NEG.FIXED REG.,7912,TO-220,3P.,PLAS		D50FR	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
IC3	AG000073	1203-000242	IC-POS.FIXED REG.,7812,TO-220,3P.,PLAS		D50RL	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
IC8	AG000073	1203-000242	IC-POS.FIXED REG.,7812,TO-220,3P.,PLAS		D63	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
PIC3	AG000075	1203-000294	IC-POS.FIXED REG.,7808,TO-220,3P.,PLAS		D73	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
PIC2	AG000078	1203-002580	IC-POS.FIXED REG.,NUM78G5,TO-220F,3P.,		D80	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
PIC1	AG000079	1203-002744	IC-SWITCH REG.,S-80505,TO-220,3P1,0K16		D81	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
R99C	AG000113	2003-000471	R-METAL OXIDE(S),10CHM,5%,2WAA,TP		D89	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
R99FL	AG000113	2003-000471	R-METAL OXIDE(S),10CHM,5%,2WAA,TP		D90	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
R99FR	AG000113	2003-000471	R-METAL OXIDE(S),10CHM,5%,2WAA,TP		D91	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
R99RL	AG000113	2003-000471	R-METAL OXIDE(S),10CHM,5%,2WAA,TP		D92	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
R99RR	AG000113	2003-000471	R-METAL OXIDE(S),10CHM,5%,2WAA,TP		D93	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
R99W	AG000113	2003-000471	R-METAL OXIDE(S),10CHM,5%,2WAA,TP		D72	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
RI 37	AG000014	2003-000302	R-METAL OXIDE(S),10chm,5%,2WAA,TP4x12		D44	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
PR1	AG000116	2003-000701	R-METAL OXIDE(S),470hm,5%,2WAA,TP4x12		D65	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
R25	AG000116	2003-000701	R-METAL OXIDE(S),470hm,5%,2WAA,TP4x12		D66	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
R30	AG000116	2003-000701	R-METAL OXIDE(S),470hm,5%,2WAA,TP4x12		D67	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
H45	AG000117	2003-000111	R-METAL OXIDE(S),680hm,5%,2WAA,TP4x12m		D68	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
R91FR	AG000185	2009-000018	R-METAL PLATE 0.22ohm,10%,5W,CLTP,5x14x		D69	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
R91RL	AG000185	2009-000018	R-METAL PLATE 0.22ohm,10%,5W,CLTP,5x14x		D70	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
R91C	AG000185	2009-000018	R-METAL PLATE 0.22ohm,10%,5W,CLTP,5x14x		D71	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
R91FL	AG000185	2009-000018	R-METAL PLATE 0.22ohm,10%,5W,CLTP,5x14x		D38FL	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
R91RR	AG000185	2009-000018	R-METAL PLATE 0.22ohm,10%,5W,CLTP,5x14x		D24	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
R91W	AG000185	2009-000018	R-METAL PLATE 0.22ohm,10%,5W,CLTP,5x14x		D25	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
R98C	AG000185	2009-000018	R-METAL PLATE 0.22ohm,10%,5W,CLTP,5x14x		D30	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
R98FL	AG000185	2009-000018	R-METAL PLATE 0.22ohm,10%,5W,CLTP,5x14x		D31	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
R98FR	AG000185	2009-000018	R-METAL PLATE 0.22ohm,10%,5W,CLTP,5x14x		D32	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
R98RL	AG000185	2009-000018	R-METAL PLATE 0.22ohm,10%,5W,CLTP,5x14x		D33	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
R98RR	AG000185	2009-000018	R-METAL PLATE 0.22ohm,10%,5W,CLTP,5x14x		D34	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
R98W	AG000185	2009-000018	R-METAL PLATE 0.22ohm,10%,5W,CLTP,5x14x		D35C	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
PC1	AG000237	2401-000230	CAL,100uF,20%,100V,GP,TP12,5x20mm		D23	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
PC5	AG000251	2401-001052	CAL,330uF,20%,25V,GP.,18x9,5.7		D12	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
PC8	AG000251	2401-001052	CAL,330uF,20%,25V,GP.,18x9,5.7		D13	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
PC15	AG000251	2401-001052	CAL,330uF,20%,25V,GP.,18x9,5.7		D14	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
C35	AG000254	2401-001361	CAL,470uF,20%,16V,GP,TP1,3x20mm,5m		D15	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
C22	AG000284	2401-001959	CAL,470uF,20%,25V,GP,TP1,18x5,5.7		D16	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
C23	AG000284	2401-001959	CAL,470uF,20%,25V,GP,TP1,18x5,5.7		D17	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
C18	AG000287	2401-002259	CAL,470uF,20%,50V,GP.,22x40mm,5m		D20	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
C19	AG000287	2401-002259	CAL,470uF,20%,50V,GP.,22x40mm,5m		D21	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
C21	AG000288	2401-003116	CAL,470uF,20%,35V.,5K,18X3,5.7		D35FL	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
C20	AG000288	2401-003116	CAL,470uF,20%,35V.,5K,18X3,5.7		D36W	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
PW1	AG000309	3711-000568	CONNECTOR-HEADER,BOK,1P,1R,2.5MM,STRAIG		D37C	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
QW9	AG000312	3711-001018	CONNECTOR-HEADER,BOK,5P,1R,2mm,STRAIGHT		D37FL	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
QW5	AG000314	3711-004109	CONNECTOR-HEADER,BOK,1P,1R,3MM,STRAIGHT		D37FR	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
QW7	AG000314	3711-004109	CONNECTOR-HEADER,BOK,1P,1R,3MM,STRAIGHT		D37RL	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
QW3	AG000317	3711-004942	CONNECTOR-HEADER,BOK,7P,1R,3.5MM,STRAIG		D37RR	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
PW3	AG000319	3711-005194	CONNECTOR-HEADER,SWALL,8P,1R,2MM,STRAIGH		D37W	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
T1	AG000322	3716-001179	TERMINAL-BLOCK,SOLDER,4P,6.3MM,60V,7A		D38C	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
T2	AG000323	3716-001205	TERMINAL-BLOCK,SOLDER,4P,6.3MM,60V,7A		D38RR	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
J3	AG000328	3722-001925	JACK-PIN,4P,DC.,N,RED,RED,WH,1WHT.		D39FR	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
L7	AG000347	AC27-12001N	COIL-CHOK,10UH,1%,RA,K-30,Q80,150KHZ		D39RL	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
SIC2	AG000353	AH13-00013A	IC HYBRID,SLAN,01,EVE-115,-40-150.,5A,		D39RR	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
RIC1R	AG000353	AH13-00013A	IC HYBRID,SLAN,01,EVE-115,-40-150.,5A,		D39W	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
RIC1L	AG000353	AH13-00013A	IC HYBRID,SLAN,01,EVE-115,-40-150.,5A,		D39RL	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
RIC1R	AG000353	AH13-00013A	IC HYBRID,SLAN,01,EVE-115,-40-150.,5A,		D39FL	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
RIC1L	AG000353	AH13-00013A	IC HYBRID,SLAN,01,EVE-115,-40-150.,5A,		D39FL	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
SIC1	AG000354	AH13-00014A	IC HYBRID,SLAN,02,EVE-115,-40-150.,5A,		D38C	AG000013	0401-001090	DIODE-SWITCHING;1SS355,80V,225mA,SOD-323	
L6	AG000357	AH27-00052A	COIL-CHOK,80TPH,15K,HT,DB800,150UH.,		PD1	AG000014	0402-000127	DIODE-RECTIFIER,1N4002,100V,1A,DO-41,TP	
L3W	AG000359	AH27-90001A	COIL-SPRING.,22UH.,...,SPRING.,...		D77	AG000014	0402-000127	DIODE-RECTIFIER,1N4002,100V,1A,DO-41,TP	
L3RR	AG000359	AH27-90001A	COIL-SPRING.,22UH.,...,SPRING.,...		D76	AG000014	0402-000127	DIODE-RECTIFIER,1N4002,100V,1A,DO-41,TP	
L3RL	AG000359	AH27-90001A	COIL-SPRING.,22UH.,...,SPRING.,...		D41FR	AG000016	0402-000309	DIODE-RECTIFIER,1SR154-400,400V,1A,SOD-1	
L3FR	AG000359	AH27-90001A	COIL-SPRING.,22UH.,...,SPRING.,...		D41RL	AG000016	0402-000309	DIODE-RECTIFIER,1SR154-400,400V,1A,SOD-1	
L3FL	AG000359	AH27-90001A	COIL-SPRING.,22UH.,...,SPRING.,...		D41R	AG000016	0402-000309	DIODE-RECTIFIER,1SR154-400,400V,1A,SOD-1	
L3C	AG000359	AH27-90001A	COIL-SPRING.,22UH.,...,SPRING.,...		D41FL	AG000016	0402-000309	DIODE-RECTIFIER,1SR154-400,400V,1A,SOD-1	
CCJUM	AG000363	AH39-00101A	LEAD CONNECTOR,OH,ASSY.,529x,5100H,4P,150M		D41C	AG000016	0402-000309	DIODE-RECTIFIER,1SR154-400,400V,1A,SOD-1	
QW4	AG000366	AH39-00428A	WIRE HARNESS,HT,DM150.,SP.,,28AWG,5		D42RR	AG000016	0402-000309	DIODE-RECTIFIER,1SR154-400,400V,1A,SOD-1	
PW4	AG000368	AH39-00465A	LEAD CONNECTOR.,.,3P.,,PH,80V,SAN		D42RL	AG000016	0402-000309	DIODE-RECTIFIER,1SR154-400,400V,1A,SOD-1	
H1	AG000365	AH62-00052D	HEAT SINK-DI,HT,DB300,AL,2.0T.,....		D42FR	AG000016	0402-000309	DIODE-RECTIFIER,1SR154-400,400V,1A,SOD-1	
H2	AG000401	AH62-00062A	HEAT SINK-TR,HT,DOL10,AL,EXTR.,....		D42FL	AG000016	0402-000309	DIODE-RECTIFIER,1SR154-400,400V,1A,SOD-1	
H3	AG000402	AH62-00062A	HEAT SINK-F,HT,DB300,AL,EXTR.,....		D42C	AG000016	0402-000309	DIODE-RECTIFIER,1SR154-400,400V,1A,SOD-1	
H4	AG000403	AH62-00063A	HEAT SINK-DI,HT,DB300,AL,3.0T.,....		D39RR	AG000016	0402-000309	DIODE-RECTIFIER,1SR154-400,400V,1A,SOD-1	
H5	AG000404	AH63-30061C	HEAT SINK-HFAT SINK,HT-01,100,AL, EXTR4,H5		D39RL	AG000016	0402-000309	DIODE-RECTIFIER,1SR154-400,400V,1A,SOD-1	
PD5	AG000012	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,		D39FR	AG000016	0402-000309	DIODE-RECTIFIER,1SR154-400,400V,1A,SOD-1	
PD8	AG000012	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,		D39FL	AG000016	0402-000309	DIODE-RECTIFIER,1SR154-400,400V,1A,SOD-1	
PD9	AG000012	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,		D38C	AG000016	0402-000309	DIODE-RECTIFIER,1SR154-400,400V,1A,SOD-1	
PD4	AG000012	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,		D40RR	AG000016	0402-000309	DIODE-RECTIFIER,1SR154-400,400V,1A,SOD-1	
D85	AG000012	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,		D40RL	AG000016	0402-000309	DIODE-RECTIFIER	

LOCATION	TOSHBA PART NO.	SAMSUNG CODE NO.	Description/Specification	REMARK	LOCATION	TOSHBA PART NO.	SAMSUNG CODE NO.	Description/Specification	REMARK
T89W	AG000019	0403-001484	DIODE-RF:DI1FRF S7R 15A 100V 214AA-T		Q40R	AG000049	0504-001003	TR:DIGITAL KSR2003 PNP 300MW 22K/22K TO-	
ZD21	AG000020	0403-000004	DIODE-ZENER UZ128M 12V(11.6-12.4V) 50mW		Q40FR	AG000049	0504-001003	TR:DIGITAL KSR2003 PNP 300MW 22K/22K TO-	
UD21	AG000023	0403-000367	DIODE-ZENER UZ158SCT 50V 1.33-1.7 6A(V50)		Q12	AG000049	0504-001003	TR:DIGITAL KSR2003 PNP 300MW 22K/22K TO-	
ZD7	AG000025	0403-000382	DIODE-ZENER UZ158S 15V(13.9-15.6V) 1W(DO-		Q40C	AG000049	0504-001003	TR:DIGITAL KSR2003 PNP 300MW 22K/22K TO-	
ZD8	AG000025	0403-000382	DIODE-ZENER UZ158S 15V(13.9-15.6V) 1W(DO-		Q40FL	AG000049	0504-001003	TR:DIGITAL KSR2003 PNP 300MW 22K/22K TO-	
PZD2	AG000026	0403-000564	DIODE-ZENER TZP18A 18V(15.3-17.1V) 1W(DO-		IC7	AG000067	1201-000163	IC-OP AMP 4560 S0P8P173ML DUAL 100V/m	
PZD1	AG000026	0403-000564	DIODE-ZENER TZP18A 18V(15.3-17.1V) 1W(DO-		IC6	AG000067	1201-000163	IC-OP AMP 4560 S0P8P173ML DUAL 100V/m	
ZD16	AG000027	0403-001062	DIODE-ZENER UZD24 75.4-55-4 75V 200mW SOD		IC5	AG000067	1201-000163	IC-OP AMP 4560 S0P8P173ML DUAL 100V/m	
ZD15	AG000027	0403-001062	DIODE-ZENER UZD24 75.4-55-4 75V 200mW SOD		CIC1	AG000067	1201-000163	IC-OP AMP 4560 S0P8P173ML DUAL 100V/m	
ZD6C	AG000028	0403-001079	DIODE-ZENER UZD23 86.7% 200MW SOD-323 TP		R65RR	AG000086	2001-000003	R-CARBON 330hm 5%, 18WAA, TP1 8x3.2mm	
ZD6FL	AG000028	0403-001079	DIODE-ZENER UZD23 86.7% 200MW SOD-323 TP		R65RL	AG000086	2001-000003	R-CARBON 330hm 5%, 18WAA, TP1 8x3.2mm	
ZD6FR	AG000028	0403-001079	DIODE-ZENER UZD23 86.7% 200MW SOD-323 TP		R65FR	AG000086	2001-000003	R-CARBON 330hm 5%, 18WAA, TP1 8x3.2mm	
ZD6RL	AG000028	0403-001079	DIODE-ZENER UZD23 86.7% 200MW SOD-323 TP		R65FL	AG000086	2001-000003	R-CARBON 330hm 5%, 18WAA, TP1 8x3.2mm	
ZD6RR	AG000028	0403-001079	DIODE-ZENER UZD23 86.7% 200MW SOD-323 TP		R65C	AG000086	2001-000003	R-CARBON 330hm 5%, 18WAA, TP1 8x3.2mm	
ZD6W	AG000028	0403-001079	DIODE-ZENER UZD23 86.7% 200MW SOD-323 TP		R65W	AG000086	2001-000003	R-CARBON 330hm 5%, 18WAA, TP1 8x3.2mm	
ZD6C	AG000028	0403-001079	DIODE-ZENER UZD23 86.7% 200MW SOD-323 TP		R65RR	AG000086	2001-000003	R-CARBON 330hm 5%, 18WAA, TP1 8x3.2mm	
ZD6FL	AG000028	0403-001079	DIODE-ZENER UZD23 86.7% 200MW SOD-323 TP		R65RL	AG000086	2001-000003	R-CARBON 330hm 5%, 18WAA, TP1 8x3.2mm	
ZD6FR	AG000028	0403-001079	DIODE-ZENER UZD23 86.7% 200MW SOD-323 TP		R65FR	AG000086	2001-000003	R-CARBON 330hm 5%, 18WAA, TP1 8x3.2mm	
ZD6RL	AG000028	0403-001079	DIODE-ZENER UZD23 86.7% 200MW SOD-323 TP		R65FL	AG000086	2001-000003	R-CARBON 330hm 5%, 18WAA, TP1 8x3.2mm	
ZD6RR	AG000028	0403-001079	DIODE-ZENER UZD23 86.7% 200MW SOD-323 TP		R65C	AG000086	2001-000003	R-CARBON 330hm 5%, 18WAA, TP1 8x3.2mm	
ZD6W	AG000028	0403-001079	DIODE-ZENER UZD23 86.7% 200MW SOD-323 TP		R65W	AG000086	2001-000003	R-CARBON 330hm 5%, 18WAA, TP1 8x3.2mm	
ZD6C	AG000028	0403-001079	DIODE-ZENER UZD23 86.7% 200MW SOD-323 TP		R65RR	AG000086	2001-000003	R-CARBON 330hm 5%, 18WAA, TP1 8x3.2mm	
ZD6FL	AG000028	0403-001079	DIODE-ZENER UZD23 86.7% 200MW SOD-323 TP		R65RL	AG000086	2001-000003	R-CARBON 330hm 5%, 18WAA, TP1 8x3.2mm	
ZD6FR	AG000028	0403-001079	DIODE-ZENER UZD23 86.7% 200MW SOD-323 TP		R65FR	AG000086	2001-000003	R-CARBON 330hm 5%, 18WAA, TP1 8x3.2mm	
ZD6RL	AG000028	0403-001079	DIODE-ZENER UZD23 86.7% 200MW SOD-323 TP		R65FL	AG000086	2001-000003	R-CARBON 330hm 5%, 18WAA, TP1 8x3.2mm	
ZD6RR	AG000028	0403-001079	DIODE-ZENER UZD23 86.7% 200MW SOD-323 TP		R65C	AG000086	2001-000003	R-CARBON 330hm 5%, 18WAA, TP1 8x3.2mm	
ZD6W	AG000028	0403-001079	DIODE-ZENER UZD23 86.7% 200MW SOD-323 TP		R65W	AG000086	2001-000003	R-CARBON 330hm 5%, 18WAA, TP1 8x3.2mm	
ZD17	AG000029	0403-001376	DIODE-ZENER UZD23 86.3 6-3.845V 200mW SOD		UR32	AG000089	2001-000023	R-CARBON 470hm 5%, 14WAA, TP2 4X6.4MM	
ZD18	AG000029	0403-001376	DIODE-ZENER UZD23 86.3 6-3.845V 200mW SOD		UR31	AG000089	2001-000023	R-CARBON 470hm 5%, 14WAA, TP2 4X6.4MM	
ZD19	AG000029	0403-001376	DIODE-ZENER UZD23 86.3 6-3.845V 200mW SOD		R144	AG000094	2001-000290	R-CARBON 100hm 5%, 18WAA, TP1 8x3.2mm	
ZD20	AG000029	0403-001376	DIODE-ZENER UZD23 86.3 6-3.845V 200mW SOD		R39FR	AG000104	2001-000700	R-CARBON 38KCHM 5%, 14WAA, TP2 4X6.4MM	
ZD9	AG000029	0403-001376	DIODE-ZENER UZD23 86.3 6-3.845V 200mW SOD		R39FL	AG000104	2001-000700	R-CARBON 38KCHM 5%, 14WAA, TP2 4X6.4MM	
ZD10	AG000029	0403-001376	DIODE-ZENER UZD23 86.3 6-3.845V 200mW SOD		R39C	AG000104	2001-000700	R-CARBON 38KCHM 5%, 14WAA, TP2 4X6.4MM	
ZD11	AG000029	0403-001376	DIODE-ZENER UZD23 86.3 6-3.845V 200mW SOD		R39RL	AG000104	2001-000700	R-CARBON 38KCHM 5%, 14WAA, TP2 4X6.4MM	
ZD12	AG000029	0403-001376	DIODE-ZENER UZD23 86.3 6-3.845V 200mW SOD		R39FR	AG000104	2001-000700	R-CARBON 38KCHM 5%, 14WAA, TP2 4X6.4MM	
ZD13	AG000029	0403-001376	DIODE-ZENER UZD23 86.3 6-3.845V 200mW SOD		R39W	AG000104	2001-000700	R-CARBON 38KCHM 5%, 14WAA, TP2 4X6.4MM	
ZD14	AG000029	0403-001376	DIODE-ZENER UZD23 86.3 6-3.845V 200mW SOD		R39W	AG000104	2001-000700	R-CARBON 38KCHM 5%, 14WAA, TP2 4X6.4MM	
Q87	AG000034	0501-000303	TR:SMALL SIGNAL K5A733 PNP 250mW TO-92L		R33C	AG000104	2001-000700	R-CARBON 38KCHM 5%, 14WAA, TP2 4X6.4MM	
Q16	AG000034	0501-000303	TR:SMALL SIGNAL K5A733 PNP 250mW TO-92L		R33FL	AG000104	2001-000700	R-CARBON 38KCHM 5%, 14WAA, TP2 4X6.4MM	
Q13	AG000034	0501-000303	TR:SMALL SIGNAL K5A733 PNP 250mW TO-92L		R33FR	AG000104	2001-000700	R-CARBON 38KCHM 5%, 14WAA, TP2 4X6.4MM	
Q35W	AG000036	0501-000331	TR:SMALL SIGNAL K5C1009-Y NPN 800mW TO-9		R33RR	AG000104	2001-000700	R-CARBON 38KCHM 5%, 14WAA, TP2 4X6.4MM	
Q35RR	AG000036	0501-000331	TR:SMALL SIGNAL K5C1009-Y NPN 800mW TO-9		R33RL	AG000104	2001-000700	R-CARBON 38KCHM 5%, 14WAA, TP2 4X6.4MM	
Q35RL	AG000036	0501-000331	TR:SMALL SIGNAL K5C1009-Y NPN 800mW TO-9		R69C	AG000107	2001-000924	R-CARBON 880hm 5%, 18WAA, TP1 8x3.2mm	
Q35FR	AG000036	0501-000331	TR:SMALL SIGNAL K5C1009-Y NPN 800mW TO-9		R69FL	AG000107	2001-000924	R-CARBON 880hm 5%, 18WAA, TP1 8x3.2mm	
Q35FL	AG000036	0501-000331	TR:SMALL SIGNAL K5C1009-Y NPN 800mW TO-9		R69FR	AG000107	2001-000924	R-CARBON 880hm 5%, 18WAA, TP1 8x3.2mm	
Q35C	AG000036	0501-000331	TR:SMALL SIGNAL K5C1009-Y NPN 800mW TO-9		R69RL	AG000107	2001-000924	R-CARBON 880hm 5%, 18WAA, TP1 8x3.2mm	
Q8	AG000037	0501-000341	HS:SMALL SIGNAL K5C1623-L NPN 200mW SOT		H694X	AG000107	2001-000924	H-CARBON 880hm 5%, 18WAA, TP1 8x3.2mm	
Q15	AG000037	0501-000341	TR:SMALL SIGNAL K5C1623-L NPN 200mW SOT		R69W	AG000107	2001-000924	R-CARBON 880hm 5%, 18WAA, TP1 8x3.2mm	
Q14	AG000037	0501-000341	TR:SMALL SIGNAL K5C1623-L NPN 200mW SOT		R69W	AG000107	2001-000924	R-CARBON 880hm 5%, 18WAA, TP1 8x3.2mm	
Q18W	AG000038	0501-000354	TR:SMALL SIGNAL K5C1845-F NPN 500mW TO-9		R69C	AG000107	2001-000924	R-CARBON 880hm 5%, 18WAA, TP1 8x3.2mm	
Q18RR	AG000038	0501-000354	TR:SMALL SIGNAL K5C1845-F NPN 500mW TO-9		R69FL	AG000107	2001-000924	R-CARBON 880hm 5%, 18WAA, TP1 8x3.2mm	
Q18RL	AG000038	0501-000354	TR:SMALL SIGNAL K5C1845-F NPN 500mW TO-9		R69FR	AG000107	2001-000924	R-CARBON 880hm 5%, 18WAA, TP1 8x3.2mm	
Q18C	AG000038	0501-000354	TR:SMALL SIGNAL K5C1845-F NPN 500mW TO-9		R69RL	AG000107	2001-000924	R-CARBON 880hm 5%, 18WAA, TP1 8x3.2mm	
Q18F	AG000038	0501-000354	TR:SMALL SIGNAL K5C1845-F NPN 500mW TO-9		R69RR	AG000107	2001-000924	R-CARBON 880hm 5%, 18WAA, TP1 8x3.2mm	
Q18FR	AG000038	0501-000354	TR:SMALL SIGNAL K5C1845-F NPN 500mW TO-9		R44	AG000115	2003-000674	R-METAL OXIDE(S) 390hm 5%, 1WAA, TP3 3x3	
Q22W	AG000039	0501-000359	TR:SMALL SIGNAL K5C239 0-Y NPN 800mW TO-9		JWO	AG000119	2007-000029	R-CHIP 10hm 5%, 18WTP 2012	
Q22RR	AG000039	0501-000359	TR:SMALL SIGNAL K5C239 0-Y NPN 800mW TO-9		R35C	AG000145	2007-000241	R-CHIP 1.5Khm 5%, 18WTP 2012	
Q22RL	AG000039	0501-000359	TR:SMALL SIGNAL K5C239 0-Y NPN 800mW TO-9		R35FL	AG000145	2007-000241	R-CHIP 1.5Khm 5%, 18WTP 2012	
Q22C	AG000039	0501-000359	TR:SMALL SIGNAL K5C239 0-Y NPN 800mW TO-9		R35FL	AG000145	2007-000241	R-CHIP 1.5Khm 5%, 18WTP 2012	
Q22FL	AG000039	0501-000359	TR:SMALL SIGNAL K5C239 0-Y NPN 800mW TO-9		R35FR	AG000145	2007-000241	R-CHIP 1.5Khm 5%, 18WTP 2012	
Q22FR	AG000039	0501-000359	TR:SMALL SIGNAL K5C239 0-Y NPN 800mW TO-9		R35RL	AG000145	2007-000241	R-CHIP 1.5Khm 5%, 18WTP 2012	
PQ1W	AG000040	0501-000396	TR:SMALL SIGNAL K5C345 NPN 250mW TO-92L		R35RR	AG000145	2007-000241	R-CHIP 1.5Khm 5%, 18WTP 2012	
Q86	AG000040	0501-000396	TR:SMALL SIGNAL K5C345 NPN 250mW TO-92L		R35RR	AG000145	2007-000241	R-CHIP 1.5Khm 5%, 18WTP 2012	
Q6	AG000041	0501-000810	TR:SMALL SIGNAL K5A628A-Y NPN 1W TO-92L		R33C	AG000145	2007-000241	R-CHIP 1.5Khm 5%, 18WTP 2012	
Q18C	AG000043	0501-002184	TR:SMALL SIGNAL KTD1304 NPN 200mW SOT-23		R33FL	AG000145	2007-000241	R-CHIP 1.5Khm 5%, 18WTP 2012	
Q18FL	AG000043	0501-002184	TR:SMALL SIGNAL KTD1304 NPN 200mW SOT-23		R33FR	AG000145	2007-000241	R-CHIP 1.5Khm 5%, 18WTP 2012	
Q18FR	AG000043	0501-002184	TR:SMALL SIGNAL KTD1304 NPN 200mW SOT-23		R33RL	AG000145	2007-000241	R-CHIP 1.5Khm 5%, 18WTP 2012	
Q18RL	AG000043	0501-002184	TR:SMALL SIGNAL KTD1304 NPN 200mW SOT-23		R68FR	AG000146	2007-000267	R-CHIP 1.8Khm 5%, 18WTP 2012	
Q18RR	AG000043	0501-002184	TR:SMALL SIGNAL KTD1304 NPN 200mW SOT-23		R68FL	AG000146	2007-000267	R-CHIP 1.8Khm 5%, 18WTP 2012	
Q18W	AG000043	0501-002184	TR:SMALL SIGNAL KTD1304 NPN 200mW SOT-23		R68C	AG000146	2007-000267	R-CHIP 1.8Khm 5%, 18WTP 2012	
Q17C	AG000043	0501-002184	TR:SMALL SIGNAL KTD1304 NPN 200mW SOT-23		R68RL	AG000146	2007-000267	R-CHIP 1.8Khm 5%, 18WTP 2012	
Q17FL	AG000043	0501-002184	TR:SMALL SIGNAL KTD1304 NPN 200mW SOT-23		R68FR	AG000146	2007-000267	R-CHIP 1.8Khm 5%, 18WTP 2012	
Q17FR	AG000043	0501-002184	TR:SMALL SIGNAL KTD1304 NPN 200mW SOT-23		R68W	AG000146	2007-000267	R-CHIP 1.8Khm 5%, 18WTP 2012	
Q17W	AG000043	0501-002184	TR:SMALL SIGNAL KTD1304 NPN 200mW SOT-23		R79W	AG000146	2007-000267	R-CHIP 1.8Khm 5%, 18WTP 2012	
Q17RR	AG000043	0501-002184	TR:SMALL SIGNAL KTD1304 NPN 200mW SOT-23		R79C	AG000146	2007-000267	R-CHIP 1.8Khm 5%, 18WTP 2012	
Q17RL	AG000043	0501-002184	TR:SMALL SIGNAL KTD1304 NPN 200mW SOT-23		R79FL	AG000146	2007-000267	R-CHIP 1.8Khm 5%, 18WTP 2012	
Q20W	AG000044	0501-002188	TR:SMALL SIGNAL K5A692 PNP 500mW TO-92L		R79FR	AG000146	2007-000267	R-CHIP 1.8Khm 5%, 18WTP 2012	
Q20RR	AG000044	0501-002188	TR:SMALL SIGNAL K5A692 PNP 500mW TO-92L		R79RL	AG000146	2007-000267	R-CHIP 1.8Khm 5%, 18WTP 2012	
Q20RL	AG000044	0501-002188	TR:SMALL SIGNAL K5A692 PNP 500mW TO-92L		R79RR	AG000146	2007-000267	R-CHIP 1.8Khm 5%, 18WTP 2012	
Q20C	AG000044	0501-002188	TR:SMALL SIGNAL K5A692 PNP 500mW TO-92L		R65	AG000149	2007-000300	R-CHIP 1.8Khm 5%, 18WTP 2012	
Q20FL	AG000044	0501-002188	TR:SMALL SIGNAL K5A692 PNP 500mW TO-92L		R71	AG000149	2007-000300	R-CHIP 1.8Khm 5%, 18WTP 2012	
Q20FR	AG000044	0501-002188	TR:SMALL SIGNAL K5A692 PNP 500mW TO-92L		R74	AG000149	2007-000300	R-CHIP 1.8Khm 5%, 18WTP 2012	
Q21W	AG000045	0501-002332	TR:SMALL SIGNAL K5A910 PNP 800mW TO-92L		R63	AG000149	2007-000300	R-CHIP 1.8Khm 5%, 18WTP 2012	
Q21RR	AG000045	0501-002332	TR:SMALL SIGNAL K5A910 PNP 800mW TO-92L		R50	AG000149	2007-000300	R-CHIP 1.8Khm 5%, 18WTP 2012	
Q21RL									

LOCATION	TOSHIBA PART NO.	SAMSUNG CODE NO.	Description/Specification	REMARK	LOCATION	TOSHIBA PART NO.	SAMSUNG CODE NO.	Description/Specification	REMARK
R20R	AG000149	2007-000300	R-CHIP,10Kohm,5%,18W,TP,2012		R87W	AG000175	2007-000981	R-CHIP,5.6Kohm,5%,18W,TP,2012	
R20L	AG000149	2007-000300	R-CHIP,10Kohm,5%,18W,TP,2012		R87R	AG000175	2007-000981	R-CHIP,5.6Kohm,5%,18W,TP,2012	
R20M	AG000149	2007-000300	R-CHIP,10Kohm,5%,18W,TP,2012		R87L	AG000175	2007-000981	R-CHIP,5.6Kohm,5%,18W,TP,2012	
R142	AG000149	2007-000300	R-CHIP,10Kohm,5%,18W,TP,2012		R38RL	AG000177	2007-001039	R-CHIP,56Kohm,5%,18W,TP,2012	
R143	AG000149	2007-000300	R-CHIP,10Kohm,5%,18W,TP,2012		R38FR	AG000177	2007-001039	R-CHIP,56Kohm,5%,18W,TP,2012	
R20UL	AG000149	2007-000300	R-CHIP,10Kohm,5%,18W,TP,2012		R38FL	AG000177	2007-001039	R-CHIP,56Kohm,5%,18W,TP,2012	
R64	AG000152	2007-000355	R-CHIP,15Kohm,5%,18W,TP,2012		R38C	AG000177	2007-001039	R-CHIP,56Kohm,5%,18W,TP,2012	
R81W	AG000154	2007-000409	R-CHIP,15Kohm,5%,18W,TP,2012		R16	AG000177	2007-001039	R-CHIP,56Kohm,5%,18W,TP,2012	
R129	AG000154	2007-000409	R-CHIP,15Kohm,5%,18W,TP,2012		R17	AG000177	2007-001039	R-CHIP,56Kohm,5%,18W,TP,2012	
R78FR	AG000155	2007-000468	R-CHIP,1Kohm,5%,18W,TP,2012		R38W	AG000177	2007-001039	R-CHIP,56Kohm,5%,18W,TP,2012	
R78RL	AG000155	2007-000468	R-CHIP,1Kohm,5%,18W,TP,2012		R80C	AG000177	2007-001039	R-CHIP,56Kohm,5%,18W,TP,2012	
R78RR	AG000155	2007-000468	R-CHIP,1Kohm,5%,18W,TP,2012		R80FL	AG000177	2007-001039	R-CHIP,56Kohm,5%,18W,TP,2012	
R77C	AG000155	2007-000468	R-CHIP,1Kohm,5%,18W,TP,2012		R81FR	AG000177	2007-001039	R-CHIP,56Kohm,5%,18W,TP,2012	
R77FL	AG000155	2007-000468	R-CHIP,1Kohm,5%,18W,TP,2012		R81RL	AG000177	2007-001039	R-CHIP,56Kohm,5%,18W,TP,2012	
R77FR	AG000155	2007-000468	R-CHIP,1Kohm,5%,18W,TP,2012		R81RR	AG000177	2007-001039	R-CHIP,56Kohm,5%,18W,TP,2012	
R77RL	AG000155	2007-000468	R-CHIP,1Kohm,5%,18W,TP,2012		R80W	AG000177	2007-001039	R-CHIP,56Kohm,5%,18W,TP,2012	
R77RR	AG000155	2007-000468	R-CHIP,1Kohm,5%,18W,TP,2012		R78C	AG000177	2007-001039	R-CHIP,56Kohm,5%,18W,TP,2012	
R100	AG000155	2007-000468	R-CHIP,1Kohm,5%,18W,TP,2012		R78FL	AG000177	2007-001039	R-CHIP,56Kohm,5%,18W,TP,2012	
R106	AG000155	2007-000468	R-CHIP,1Kohm,5%,18W,TP,2012		R78FR	AG000177	2007-001039	R-CHIP,56Kohm,5%,18W,TP,2012	
R111	AG000155	2007-000468	R-CHIP,1Kohm,5%,18W,TP,2012		R78RL	AG000177	2007-001039	R-CHIP,56Kohm,5%,18W,TP,2012	
R117	AG000155	2007-000468	R-CHIP,1Kohm,5%,18W,TP,2012		R78RR	AG000177	2007-001039	R-CHIP,56Kohm,5%,18W,TP,2012	
R78L	AG000155	2007-000468	R-CHIP,1Kohm,5%,18W,TP,2012		R78W	AG000177	2007-001039	R-CHIP,56Kohm,5%,18W,TP,2012	
R78C	AG000155	2007-000468	R-CHIP,1Kohm,5%,18W,TP,2012		PR8	AG000181	2007-001177	R-CHIP,8.2Kohm,5%,18W,TP,2012	
R122	AG000155	2007-000468	R-CHIP,1Kohm,5%,18W,TP,2012		R72	AG000181	2007-001177	R-CHIP,8.2Kohm,5%,18W,TP,2012	
R87	AG000158	2007-000493	R-CHIP,2.2Kohm,5%,18W,TP,2012		R37FR	AG000184	2007-001216	R-CHIP,82ohm,5%,18W,TP,2012	
R77W	AG000158	2007-000493	R-CHIP,2.2Kohm,5%,18W,TP,2012		R37FL	AG000184	2007-001216	R-CHIP,82ohm,5%,18W,TP,2012	
R78W	AG000158	2007-000493	R-CHIP,2.2Kohm,5%,18W,TP,2012		R37L	AG000184	2007-001216	R-CHIP,82ohm,5%,18W,TP,2012	
H128	AG000158	2007-000493	R-CHIP,2.2Kohm,5%,18W,TP,2012		H37H	AG000184	2007-001216	R-CHIP,82ohm,5%,18W,TP,2012	
R126	AG000161	2007-000572	R-CHIP,22ohm,5%,18W,TP,2012		R37RL	AG000184	2007-001216	R-CHIP,82ohm,5%,18W,TP,2012	
R125	AG000161	2007-000572	R-CHIP,22ohm,5%,18W,TP,2012		R37RR	AG000184	2007-001216	R-CHIP,82ohm,5%,18W,TP,2012	
R121	AG000161	2007-000572	R-CHIP,22ohm,5%,18W,TP,2012		R34C	AG000184	2007-001216	R-CHIP,82ohm,5%,18W,TP,2012	
R120	AG000161	2007-000572	R-CHIP,22ohm,5%,18W,TP,2012		R34FL	AG000184	2007-001216	R-CHIP,82ohm,5%,18W,TP,2012	
R115	AG000161	2007-000572	R-CHIP,22ohm,5%,18W,TP,2012		R34FR	AG000184	2007-001216	R-CHIP,82ohm,5%,18W,TP,2012	
R114	AG000161	2007-000572	R-CHIP,22ohm,5%,18W,TP,2012		R34W	AG000184	2007-001216	R-CHIP,82ohm,5%,18W,TP,2012	
R131	AG000161	2007-000572	R-CHIP,22ohm,5%,18W,TP,2012		R34RR	AG000184	2007-001216	R-CHIP,82ohm,5%,18W,TP,2012	
R132	AG000161	2007-000572	R-CHIP,22ohm,5%,18W,TP,2012		R34RL	AG000184	2007-001216	R-CHIP,82ohm,5%,18W,TP,2012	
PR11	AG000161	2007-000572	R-CHIP,22ohm,5%,18W,TP,2012		PC20	AG000191	2201-000181	C-CERAM,C,DISC,10NF,+80-20%,500VQ5V,TP	
R103	AG000161	2007-000572	R-CHIP,22ohm,5%,18W,TP,2012		PC19	AG000191	2201-000181	C-CERAM,C,DISC,10NF,+80-20%,500VQ5V,TP	
R110	AG000161	2007-000572	R-CHIP,22ohm,5%,18W,TP,2012		C17	AG000191	2201-000181	C-CERAM,C,DISC,10NF,+80-20%,500VQ5V,TP	
R109	AG000161	2007-000572	R-CHIP,22ohm,5%,18W,TP,2012		C16	AG000191	2201-000181	C-CERAM,C,DISC,10NF,+80-20%,500VQ5V,TP	
R104	AG000161	2007-000572	R-CHIP,22ohm,5%,18W,TP,2012		C15	AG000191	2201-000181	C-CERAM,C,DISC,10NF,+80-20%,500VQ5V,TP	
R42	AG000162	2007-000586	R-CHIP,22ohm,5%,18W,TP,2012		PC2A	AG000193	2201-000585	C-CERAM,C,DISC,47nF,+80-20%,12.54mm	
R62	AG000162	2007-000586	R-CHIP,22ohm,5%,18W,TP,2012		PC2Z	AG000193	2201-000585	C-CERAM,C,DISC,47nF,+80-20%,12.54mm	
R67	AG000162	2007-000586	R-CHIP,22ohm,5%,18W,TP,2012		PC1A	AG000193	2201-000585	C-CERAM,C,DISC,47nF,+80-20%,12.54mm	
R22	AG000162	2007-000586	R-CHIP,22ohm,5%,18W,TP,2012		C44W	AG000201	2203-000295	C-CERAM,C,CHIP,0.01NF5%,50VCG,TP,2012	
R21	AG000162	2007-000586	R-CHIP,22ohm,5%,18W,TP,2012		C44R	AG000201	2203-000295	C-CERAM,C,CHIP,0.01NF5%,50VCG,TP,2012	
PR9	AG000162	2007-000586	R-CHIP,22ohm,5%,18W,TP,2012		C44L	AG000201	2203-000295	C-CERAM,C,CHIP,0.01NF5%,50VCG,TP,2012	
PR6	AG000162	2007-000586	R-CHIP,22ohm,5%,18W,TP,2012		C44C	AG000201	2203-000295	C-CERAM,C,CHIP,0.01NF5%,50VCG,TP,2012	
R127	AG000163	2007-000642	R-CHIP,27ohm,5%,18W,TP,2012		C44L	AG000201	2203-000295	C-CERAM,C,CHIP,0.01NF5%,50VCG,TP,2012	
R116	AG000163	2007-000642	R-CHIP,27ohm,5%,18W,TP,2012		C44FR	AG000201	2203-000295	C-CERAM,C,CHIP,0.01NF5%,50VCG,TP,2012	
R105	AG000163	2007-000642	R-CHIP,27ohm,5%,18W,TP,2012		C41W	AG000207	2203-000609	C-CERAM,C,CHIP,22nF,10%,50VXTR,TP,2012	
PR48R	AG000165	2007-000653	R-CHIP,27Kohm,5%,18W,TP,2012		C30L	AG000210	2203-000787	C-CERAM,C,CHIP,0.33NF5%,50VCG,TP,2012	
PR48L	AG000165	2007-000653	R-CHIP,27Kohm,5%,18W,TP,2012		C30R	AG000210	2203-000787	C-CERAM,C,CHIP,0.33NF5%,50VCG,TP,2012	
PR4FR	AG000165	2007-000653	R-CHIP,27Kohm,5%,18W,TP,2012		C30L	AG000210	2203-000787	C-CERAM,C,CHIP,0.33NF5%,50VCG,TP,2012	
PR4FL	AG000165	2007-000653	R-CHIP,27Kohm,5%,18W,TP,2012		C30R	AG000210	2203-000787	C-CERAM,C,CHIP,0.33NF5%,50VCG,TP,2012	
R84C	AG000165	2007-000653	R-CHIP,27Kohm,5%,18W,TP,2012		C33FL	AG000588	2203-000953	C-CERAM,C,CHIP,0.47NF5%,50VCG,TP,2012	
R84L	AG000165	2007-000653	R-CHIP,27Kohm,5%,18W,TP,2012		C33RR	AG000588	2203-000953	C-CERAM,C,CHIP,0.47NF5%,50VCG,TP,2012	
R83FR	AG000166	2007-000682	R-CHIP,3.3Kohm,1%,18W,TP,2012		C33W	AG000588	2203-000953	C-CERAM,C,CHIP,0.47NF5%,50VCG,TP,2012	
R83FL	AG000166	2007-000682	R-CHIP,3.3Kohm,1%,18W,TP,2012		C33FR	AG000588	2203-000953	C-CERAM,C,CHIP,0.47NF5%,50VCG,TP,2012	
R83C	AG000166	2007-000682	R-CHIP,3.3Kohm,1%,18W,TP,2012		C33FL	AG000588	2203-000953	C-CERAM,C,CHIP,0.47NF5%,50VCG,TP,2012	
R83RR	AG000166	2007-000682	R-CHIP,3.3Kohm,1%,18W,TP,2012		C33C	AG000588	2203-000953	C-CERAM,C,CHIP,0.47NF5%,50VCG,TP,2012	
R82W	AG000166	2007-000682	R-CHIP,3.3Kohm,1%,18W,TP,2012		C41C	AG000222	2203-001518	C-CERAM,C,CHIP,1.8nF,10%,50VXTR,TP,2012	
R83C	AG000166	2007-000682	R-CHIP,3.3Kohm,1%,18W,TP,2012		C41RR	AG000222	2203-001518	C-CERAM,C,CHIP,1.8nF,10%,50VXTR,TP,2012	
R83FL	AG000166	2007-000682	R-CHIP,3.3Kohm,1%,18W,TP,2012		C41L	AG000222	2203-001518	C-CERAM,C,CHIP,1.8nF,10%,50VXTR,TP,2012	
R83FR	AG000166	2007-000682	R-CHIP,3.3Kohm,1%,18W,TP,2012		C41FR	AG000222	2203-001518	C-CERAM,C,CHIP,1.8nF,10%,50VXTR,TP,2012	
R83RL	AG000166	2007-000682	R-CHIP,3.3Kohm,1%,18W,TP,2012		C41FL	AG000222	2203-001518	C-CERAM,C,CHIP,1.8nF,10%,50VXTR,TP,2012	
R83RR	AG000166	2007-000682	R-CHIP,3.3Kohm,1%,18W,TP,2012		C41L	AG000227	2203-001611	C-CERAM,C,CHIP,0.022nF,5%,50VNP0,TP,2011	
R83W	AG000166	2007-000682	R-CHIP,3.3Kohm,1%,18W,TP,2012		C41RR	AG000227	2203-001611	C-CERAM,C,CHIP,0.022nF,5%,50VNP0,TP,2011	
R20ML	AG000169	2007-000774	R-CHIP,33Kohm,5%,18W,TP,2012		C41W	AG000227	2203-001611	C-CERAM,C,CHIP,0.022nF,5%,50VNP0,TP,2011	
R20LR	AG000169	2007-000774	R-CHIP,33Kohm,5%,18W,TP,2012		C49FR	AG000227	2203-001611	C-CERAM,C,CHIP,0.022nF,5%,50VNP0,TP,2011	
R19	AG000169	2007-000774	R-CHIP,33Kohm,5%,18W,TP,2012		C49L	AG000227	2203-001611	C-CERAM,C,CHIP,0.022nF,5%,50VNP0,TP,2011	
R20	AG000169	2007-000774	R-CHIP,33Kohm,5%,18W,TP,2012		C49C	AG000227	2203-001611	C-CERAM,C,CHIP,0.022nF,5%,50VNP0,TP,2011	
R20L	AG000169	2007-000774	R-CHIP,33Kohm,5%,18W,TP,2012		C50W	AG000228	2203-001619	C-CERAM,C,CHIP,0.022nF,5%,50VNP0,TP,2011	
R20AR	AG000169	2007-000774	R-CHIP,33Kohm,5%,18W,TP,2012		C129	AG000231	2203-002494	C-CERAM,C,CHIP,470nF,10%,16V,XTR,TP,2012	
H44W	AG000169	2007-000774	R-CHIP,33Kohm,5%,18W,TP,2012		C41W	AG000236	2301-000375	C-FILM,PEE,100nF,10%,TP50V,11x1.25x6.5	
R75W	AG000169	2007-000774	R-CHIP,33Kohm,5%,18W,TP,2012		C47RR	AG000235	2301-000375	C-FILM,PEE,100nF,10%,TP50V,11x1.25x6.5	
R70	AG000169	2007-000774	R-CHIP,33Kohm,5%,18W,TP,2012		C47L	AG000235	2301-000375	C-FILM,PEE,100nF,10%,TP50V,11x1.25x6.5	
R69	AG000169	2007-000774	R-CHIP,33Kohm,5%,18W,TP,2012		C47FR	AG000235	2301-000375	C-FILM,PEE,100nF,10%,TP50V,11x1.25x6.5	
R43	AG000169	2007-000774	R-CHIP,33Kohm,5%,18W,TP,2012		C47L	AG000235	2301-000375	C-FILM,PEE,100nF,10%,TP50V,11x1.25x6.5	
R68	AG000171	2007-000872	R-CHIP,4.7Kohm,5%,18W,TP,2012		C47C	AG000235	2301-000375	C-FILM,PEE,100nF,10%,TP50V,11x1.25x6.5	
R66	AG000171	2007-000872	R-CHIP,4.7Kohm,5%,18W,TP,2012		PC14	AG000238	2401-000240	CAL,100uF,20%,16V,GP,TP5x11.5	
R47	AG000171	2007-000872	R-CHIP,4.7Kohm,5%,18W,TP,2012		PC7	AG000240	2401-000357	CAL,100uF,20%,16V,GP,TP5x11.5	
R38RL	AG000172	2007-000941	R-CHIP,4.7Kohm,5%,18W,TP,2012		C29	AG000243	2401-000459	CAL,10uF,20%,35V,GP,TP5.5x7mm,5mm	
R38RR	AG000172	2007-000941	R-CHIP,4.7Kohm,5%,18W,TP,2012		C28	AG000243	2401-000459	CAL,10uF,20%,35V,GP,TP5.5x7mm,5mm	
R61	AG000172	2007-000941	R-CHIP,4.7Kohm,5%,18W,TP,2012		PC8	AG000244	2401-000475	CAL,10uF,20%,35V,GP,TP5.5x7mm,5mm	
R66	AG000172	2007-000941	R-CHIP,4.7Kohm,5%,18W,TP,2012		C99	AG000249	2401-000907	CAL,22uF,20%,16V,GP,TP8x11mm,5mm	
R135	AG000172	2007-000941	R-CHIP,4.7Kohm,5%,18W,TP,2012		C43RR	AG000250	2401-000909	CAL,22uF,20%,16V,GP,TP5x6.5	
R119	AG000172	2007-000941	R-CHIP,4.7Kohm,5%,18W,TP,2012		C43L	AG000250	2401		

LOCATION	TOSHBA PART NO.	SAMSUNG CODE NO.	Description/Specification	REMARK	LOCATION	TOSHBA PART NO.	SAMSUNG CODE NO.	Description/Specification	REMARK
C43W	AG000256	2401-001507	CAL 47uF 70%, 16V GP P7.5MM,TP		LU205	AG000118	2007-000029	R-CHIP 100nm 5%, 18WTP,2012	
PC3	AG000257	2401-001511	CAL 47uF 20%, 16V GP P7.5MM,TP		LU204	AG000118	2007-000029	R-CHIP 100nm 5%, 18WTP,2012	
C55	AG000257	2401-001511	CAL 47uF 20%, 16V GP P7.5MM,TP		HR6R	AG000144	2007-000021	R-CHIP 1.2Kohm 5%, 18WTP,2012	
C54	AG000257	2401-001511	CAL 47uF 20%, 16V GP P7.5MM,TP		HR6L	AG000144	2007-000021	R-CHIP 1.2Kohm 5%, 18WTP,2012	
C52	AG000257	2401-001511	CAL 47uF 20%, 16V GP P7.5MM,TP		RR10R	AG000145	2007-000041	R-CHIP 1.5Kohm 5%, 18WTP,2012	
PC7	AG000259	2401-001893	CAL 100uF 20%, 16V GP P7.5MM,TP		RR12L	AG000145	2007-000041	R-CHIP 1.5Kohm 5%, 18WTP,2012	
C27	AG000259	2401-001893	CAL 100uF 20%, 16V GP P7.5MM,TP		FR18R	AG000145	2007-000041	R-CHIP 1.5Kohm 5%, 18WTP,2012	
C26	AG000259	2401-001893	CAL 100uF 20%, 16V GP P7.5MM,TP		FR19L	AG000145	2007-000041	R-CHIP 1.5Kohm 5%, 18WTP,2012	
C25	AG000259	2401-001893	CAL 100uF 20%, 16V GP P7.5MM,TP		CR12	AG000145	2007-000041	R-CHIP 1.5Kohm 5%, 18WTP,2012	
C24	AG000280	2401-001912	CAL 1uF 20%, 50V GP S11.5mm,TP		HR1L	AG000147	2007-000082	R-CHIP 100Kohm 5%, 18WTP,2012	
C80	AG000282	2401-001952	CAL 4.7uF 20%, 50V GP TP 5x7mm 5mm		HR1R	AG000147	2007-000082	R-CHIP 100Kohm 5%, 18WTP,2012	
PC4	AG000282	2401-001952	CAL 4.7uF 20%, 50V GP TP 5x7mm 5mm		CR1	AG000148	2007-000090	R-CHIP 100Kohm 5%, 18WTP,2012	
C31	AG000285	2401-001969	CAL 470uF 20%, 25V GP TP 10x12.5S		FR41	AG000148	2007-000090	R-CHIP 100Kohm 5%, 18WTP,2012	
C30	AG000285	2401-001969	CAL 470uF 20%, 25V GP TP 10x12.5S		FR14	AG000148	2007-000090	R-CHIP 100Kohm 5%, 18WTP,2012	
CAW	AG000289	2401-003336	CAL 4.7uF 20%, 50V GP TP 5X5.2		FR13	AG000148	2007-000090	R-CHIP 100Kohm 5%, 18WTP,2012	
CAOC	AG000289	2401-003336	CAL 4.7uF 20%, 50V GP TP 5X5.2		UR511	AG000149	2007-000090	R-CHIP 10Kohm 5%, 18WTP,2012	
CAORR	AG000289	2401-003336	CAL 4.7uF 20%, 50V GP TP 5X5.2		UR512	AG000149	2007-000090	R-CHIP 10Kohm 5%, 18WTP,2012	
CAFL	AG000289	2401-003336	CAL 4.7uF 20%, 50V GP TP 5X5.2		UR513	AG000149	2007-000090	R-CHIP 10Kohm 5%, 18WTP,2012	
CAFLR	AG000289	2401-003336	CAL 4.7uF 20%, 50V GP TP 5X5.2		UR510	AG000149	2007-000090	R-CHIP 10Kohm 5%, 18WTP,2012	
CAFLR	AG000289	2401-003336	CAL 4.7uF 20%, 50V GP TP 5X5.2		UR509	AG000149	2007-000090	R-CHIP 10Kohm 5%, 18WTP,2012	
PC8	AG000378	AH41-00579A	PCB HT FDM15IN EPOXY 2,0,1.6T,1.6T		UR508	AG000149	2007-000090	R-CHIP 10Kohm 5%, 18WTP,2012	
	AG000476	AH92-01714A	ASSY PCB BOSP,SD-41,DSP PCB	USA/CANADA	UR514	AG000149	2007-000090	R-CHIP 10Kohm 5%, 18WTP,2012	
QUACK	AG000052	0603-001126	OPTIC TRANSMITTER SN13.2MBIS, SN-14.5DB		UR521	AG000149	2007-000090	R-CHIP 10Kohm 5%, 18WTP,2012	
F1	AG000193	2201-000565	C-CERAMIC DISC 47uF +80-200%, -, 125u4m		UR520	AG000149	2007-000090	R-CHIP 10Kohm 5%, 18WTP,2012	
UW4	AG000295	3708-001195	CONNECTOR PPOFFCOPIC,2P1.25mm,STRAIGH		UR519	AG000149	2007-000090	R-CHIP 10Kohm 5%, 18WTP,2012	
UW6	AG000297	3708-001574	CONNECTOR PPOFFCOPIC,2P1.1mm,ANGLE SN		UR518	AG000149	2007-000090	R-CHIP 10Kohm 5%, 18WTP,2012	
UW2	AG000302	3710-001421	CONNECTOR SOCKET,4P1R,2mm,ANGLE,SN		UR517	AG000149	2007-000090	R-CHIP 10Kohm 5%, 18WTP,2012	
UW1	AG000302	3710-001421	CONNECTOR SOCKET,4P1R,2mm,ANGLE,SN		UR515	AG000149	2007-000090	R-CHIP 10Kohm 5%, 18WTP,2012	
UW7	AG000303	3710-001422	CONNECTOR SOCKET,12P1R,2mm,ANGLE,SN		UR501	AG000149	2007-000090	R-CHIP 10Kohm 5%, 18WTP,2012	
UW12	AG000304	3710-001734	CONNECTOR SOCKET,15P1R,2MM,STRAIGHT-		UR500	AG000149	2007-000090	R-CHIP 10Kohm 5%, 18WTP,2012	
UW11	AG000304	3710-001734	CONNECTOR SOCKET,15P1R,2MM,STRAIGHT-		HR2R	AG000149	2007-000090	R-CHIP 10Kohm 5%, 18WTP,2012	
UW3	AG000305	3710-001868	CONNECTOR SOCKET 8P1R,2MM,ANGLE -		HR2L	AG000149	2007-000090	R-CHIP 10Kohm 5%, 18WTP,2012	
UW8	AG000306	3710-001973	CONNECTOR SOCKET 15P1R,2MM,ANGLE -		FR6R	AG000149	2007-000090	R-CHIP 10Kohm 5%, 18WTP,2012	
UW9	AG000308	3711-000426	CONNECTOR HEADER,3WALL,15P1R,2mm,STRAIG		FR6L	AG000149	2007-000090	R-CHIP 10Kohm 5%, 18WTP,2012	
UW10	AG000308	3711-000426	CONNECTOR HEADER,3WALL,15P1R,2mm,STRAIG		UR502	AG000149	2007-000090	R-CHIP 10Kohm 5%, 18WTP,2012	
NW11	AG000310	3711-000820	CONNECTOR HEADER,BOK,3P1R,2.5MM,STRAIGH		UR507	AG000149	2007-000090	R-CHIP 10Kohm 5%, 18WTP,2012	
U113	AG000012	0401-000101	DO-26 SWITCHING,1N4148,100V,200mA,DO-35,		UR506	AG000149	2007-000090	R-CHIP 10Kohm 5%, 18WTP,2012	
U112	AG000012	0401-000101	DO-26 SWITCHING,1N4148,100V,200mA,DO-35,		UR505	AG000149	2007-000090	R-CHIP 10Kohm 5%, 18WTP,2012	
U110	AG000012	0401-000101	DO-26 SWITCHING,1N4148,100V,200mA,DO-35,		UR503	AG000149	2007-000090	R-CHIP 10Kohm 5%, 18WTP,2012	
UD300	AG000014	0402-000712	LIQUID-CRYSTAL DISPLAY,100V,1A,UD-41,1P		UR504	AG000149	2007-000090	R-CHIP 10Kohm 5%, 18WTP,2012	
HD2	AG000014	0402-000127	DO-26 RECTIFIER,1N4002,100V,1A,DO-41,TP		H4J4K	AG000152	2007-000090	R-CHIP 1.2Kohm 5%, 18WTP,2012	
HD1	AG000014	0402-000127	DO-26 RECTIFIER,1N4002,100V,1A,DO-41,TP		FR4L	AG000152	2007-000090	R-CHIP 1.2Kohm 5%, 18WTP,2012	
FD5	AG000014	0402-000127	DO-26 RECTIFIER,1N4002,100V,1A,DO-41,TP		FR21R	AG000154	2007-000409	R-CHIP 15Kohm 5%, 18WTP,2012	
FZ26	AG000022	0403-000363	DO-26 ZENER,U26.85H,6.8V,6.8-7.2V,500MW		FR14L	AG000154	2007-000409	R-CHIP 15Kohm 5%, 18WTP,2012	
FZD5	AG000022	0403-000363	DO-26 ZENER,U26.85H,6.8V,6.8-7.2V,500MW		FR14R	AG000154	2007-000409	R-CHIP 15Kohm 5%, 18WTP,2012	
FZD1	AG000024	0403-000372	DO-26 ZENER,U26.85H,6.8V,6.8-7.2V,500MW		FR15L	AG000154	2007-000409	R-CHIP 15Kohm 5%, 18WTP,2012	
HD21	AG000037	0501-000341	TR-SMALL SIGNAL,KSC1875,1NPN,200mV,SOT		FR15R	AG000154	2007-000409	R-CHIP 15Kohm 5%, 18WTP,2012	
HQ2R	AG000037	0501-000341	TR-SMALL SIGNAL,KSC1875,1NPN,200mV,SOT		FR211	AG000154	2007-000409	R-CHIP 15Kohm 5%, 18WTP,2012	
HQ1	AG000048	0504-000156	TR-DIGITAL,KSR2103,PNP,200MW,22K22K,SOT		CR14	AG000154	2007-000409	R-CHIP 15Kohm 5%, 18WTP,2012	
UIC500	AG000057	0904-001316	IC-IO CONTROLLER,M68010,24BIT,SOP28,2P		CR15	AG000154	2007-000409	R-CHIP 15Kohm 5%, 18WTP,2012	
HIC1	AG000067	1201-000163	IC-OP AMP,4560,SOP8P,173MIL,DUAL,100V/m		FR16L	AG000154	2007-000409	R-CHIP 15Kohm 5%, 18WTP,2012	
RIC1	AG000067	1201-000163	IC-OP AMP,4560,SOP8P,173MIL,DUAL,100V/m		FR16R	AG000154	2007-000409	R-CHIP 15Kohm 5%, 18WTP,2012	
RIC2	AG000067	1201-000163	IC-OP AMP,4560,SOP8P,173MIL,DUAL,100V/m		FR17R	AG000155	2007-000468	R-CHIP 1Kohm 5%, 18WTP,2012	
SIC1	AG000067	1201-000163	IC-OP AMP,4560,SOP8P,173MIL,DUAL,100V/m		RR10L	AG000155	2007-000468	R-CHIP 1Kohm 5%, 18WTP,2012	
RIC4	AG000067	1201-000163	IC-OP AMP,4560,SOP8P,173MIL,DUAL,100V/m		RR10R	AG000155	2007-000468	R-CHIP 1Kohm 5%, 18WTP,2012	
CIC1	AG000067	1201-000163	IC-OP AMP,4560,SOP8P,173MIL,DUAL,100V/m		RR6L	AG000155	2007-000468	R-CHIP 1Kohm 5%, 18WTP,2012	
CIC2	AG000067	1201-000163	IC-OP AMP,4560,SOP8P,173MIL,DUAL,100V/m		RR6R	AG000155	2007-000468	R-CHIP 1Kohm 5%, 18WTP,2012	
FIC1	AG000067	1201-000163	IC-OP AMP,4560,SOP8P,173MIL,DUAL,100V/m		FR17L	AG000155	2007-000468	R-CHIP 1Kohm 5%, 18WTP,2012	
FIC2	AG000067	1201-000163	IC-OP AMP,4560,SOP8P,173MIL,DUAL,100V/m		CR10	AG000155	2007-000468	R-CHIP 1Kohm 5%, 18WTP,2012	
FIC3	AG000082	1204-001465	IC-VOLUME TONE CONT,TDAT440D,SOP28,18		CR6	AG000155	2007-000468	R-CHIP 1Kohm 5%, 18WTP,2012	
FIC5	AG000084	1204-002001	IC-VOLUME TONE CONT,M82468APP,SOP40P,		FR12L	AG000155	2007-000468	R-CHIP 1Kohm 5%, 18WTP,2012	
FR40	AG000093	2001-000281	R-CARBON,10Kohm 5%, 18W,AA,TP1 8x3.2mm		FR12R	AG000155	2007-000468	R-CHIP 1Kohm 5%, 18WTP,2012	
UR1A	AG000094	2001-000290	R-CARBON,10Kohm 5%, 18W,AA,TP1 8x3.2mm		FR2	AG000158	2007-000493	R-CHIP 2.2Kohm 5%, 18WTP,2012	
FR37	AG000097	2001-000429	R-CARBON,1Kohm 5%, 18W,AA,TP1 8x3.2mm		HR9	AG000161	2007-000572	R-CHIP 220ohm 5%, 18WTP,2012	
FR38	AG000097	2001-000429	R-CARBON,1Kohm 5%, 18W,AA,TP1 8x3.2mm		HR8	AG000161	2007-000572	R-CHIP 220ohm 5%, 18WTP,2012	
FR39	AG000097	2001-000429	R-CARBON,1Kohm 5%, 18W,AA,TP1 8x3.2mm		SR14	AG000161	2007-000572	R-CHIP 220ohm 5%, 18WTP,2012	
FR45	AG000097	2001-000429	R-CARBON,1Kohm 5%, 18W,AA,TP1 8x3.2mm		SR18	AG000161	2007-000572	R-CHIP 220ohm 5%, 18WTP,2012	
FR33	AG000097	2001-000429	R-CARBON,1Kohm 5%, 18W,AA,TP1 8x3.2mm		HR13R	AG000161	2007-000572	R-CHIP 220ohm 5%, 18WTP,2012	
FR34	AG000097	2001-000429	R-CARBON,1Kohm 5%, 18W,AA,TP1 8x3.2mm		HR13L	AG000161	2007-000572	R-CHIP 220ohm 5%, 18WTP,2012	
FR35	AG000097	2001-000429	R-CARBON,1Kohm 5%, 18W,AA,TP1 8x3.2mm		HR11	AG000161	2007-000572	R-CHIP 220ohm 5%, 18WTP,2012	
FR36	AG000097	2001-000429	R-CARBON,1Kohm 5%, 18W,AA,TP1 8x3.2mm		HR10	AG000161	2007-000572	R-CHIP 220ohm 5%, 18WTP,2012	
SR1	AG000100	2001-000522	R-CARBON,22Kohm 5%, 18W,AA,TP1 8x3.2mm		SR3	AG000162	2007-000586	R-CHIP 22Kohm 5%, 18WTP,2012	
FR30	AG000110	2001-001077	R-CARBON(S),150ohm 5%, 12W,AA,TP2 4x6.4		SR2	AG000162	2007-000586	R-CHIP 22Kohm 5%, 18WTP,2012	
FR31	AG000110	2001-001077	R-CARBON(S),150ohm 5%, 12W,AA,TP2 4x6.4		SR6	AG000165	2007-000653	R-CHIP 27Kohm 5%, 18WTP,2012	
FR15	AG000110	2001-001077	R-CARBON(S),150ohm 5%, 12W,AA,TP2 4x6.4		SR12	AG000165	2007-000653	R-CHIP 27Kohm 5%, 18WTP,2012	
FR12	AG000112	2001-001195	R-CARBON(S),33ohm 5%, 12W,AA,TP2 4x6.4mm		RR2L	AG000167	2007-000686	R-CHIP 3.3Kohm 5%, 18WTP,2012	
LU208	AG000118	2007-000029	R-CHIP 100nm 5%, 18WTP,2012		RR1R	AG000167	2007-000686	R-CHIP 3.3Kohm 5%, 18WTP,2012	
LU209	AG000118	2007-000029	R-CHIP 100nm 5%, 18WTP,2012		RR1L	AG000167	2007-000686	R-CHIP 3.3Kohm 5%, 18WTP,2012	
LU210	AG000118	2007-000029	R-CHIP 100nm 5%, 18WTP,2012		FR6R	AG000167	2007-000686	R-CHIP 3.3Kohm 5%, 18WTP,2012	
LU211	AG000118	2007-000029	R-CHIP 100nm 5%, 18WTP,2012		FR6L	AG000167	2007-000686	R-CHIP 3.3Kohm 5%, 18WTP,2012	
LU213	AG000118	2007-000029	R-CHIP 100nm 5%, 18WTP,2012		RR2R	AG000167	2007-000686	R-CHIP 3.3Kohm 5%, 18WTP,2012	
LU214	AG000118	2007-000029	R-CHIP 100nm 5%, 18WTP,2012		SR5	AG000167	2007-000686	R-CHIP 3.3Kohm 5%, 18WTP,2012	
LU217	AG000118	2007-000029	R-CHIP 100nm 5%, 18WTP,2012		FR5R	AG000167	2007-000686	R-CHIP 3.3Kohm 5%, 18WTP,2012	
LU231	AG000118	2007-000029	R-CHIP 100nm 5%, 18WTP,2012		FR5L	AG000167	2007-000686	R-CHIP 3.3Kohm 5%, 18WTP,2012	
UW42	AG000118	2007-000029	R-CHIP 100nm 5%, 18WTP,2012		FR3R	AG000167	2007-000686	R-CHIP 3.3Kohm 5%, 18WTP,2012	
JW302	AG000118	2007-000029	R-CHIP 100nm 5%, 18WTP,2012		RR3L	AG000167	2007-000686	R-CHIP 3.3Kohm 5%, 18WTP,2012	
JW303	AG000118	2007-000029	R-CHIP 100nm 5%, 18WTP,2012		FR1L	AG000167	2007-000686	R-CHIP 3.3Kohm 5%, 18WTP,20	

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FR2R	AG000167	2007-00686	R-CHIP,3.3kOhm,5%,18W,TP,2012		HC1L	AG000236	2401-000213	CAL,100F,20%,50V,GP,TP,3x5,2.5	
FR2L	AG000167	2007-00686	R-CHIP,3.3kOhm,5%,18W,TP,2012		FC8R	AG000241	2401-000407	CAL,100F,20%,16V,GP,TP,3.5X5,2.5	
FR1R	AG000167	2007-00686	R-CHIP,3.3kOhm,5%,18W,TP,2012		RC4L	AG000241	2401-000407	CAL,100F,20%,16V,GP,TP,3.5X5,2.5	
HR3L	AG000171	2007-00872	R-CHIP,4.7kOhm,5%,18W,TP,2012		RC4R	AG000241	2401-000407	CAL,100F,20%,16V,GP,TP,3.5X5,2.5	
HR3R	AG000171	2007-00872	R-CHIP,4.7kOhm,5%,18W,TP,2012		SC4	AG000241	2401-000407	CAL,100F,20%,16V,GP,TP,3.5X5,2.5	
RR13L	AG000171	2007-00872	R-CHIP,4.7kOhm,5%,18W,TP,2012		FC8L	AG000241	2401-000407	CAL,100F,20%,16V,GP,TP,3.5X5,2.5	
RR13R	AG000171	2007-00872	R-CHIP,4.7kOhm,5%,18W,TP,2012		CC4	AG000241	2401-000407	CAL,100F,20%,16V,GP,TP,3.5X5,2.5	
SR21	AG000171	2007-00872	R-CHIP,4.7kOhm,5%,18W,TP,2012		FC19	AG000241	2401-000407	CAL,100F,20%,16V,GP,TP,3.5X5,2.5	
FR2UR	AG000171	2007-00872	R-CHIP,4.7kOhm,5%,18W,TP,2012		FC4L	AG000241	2401-000407	CAL,100F,20%,16V,GP,TP,3.5X5,2.5	
CR13	AG000171	2007-00872	R-CHIP,4.7kOhm,5%,18W,TP,2012		FC4R	AG000241	2401-000407	CAL,100F,20%,16V,GP,TP,3.5X5,2.5	
FR11L	AG000171	2007-00872	R-CHIP,4.7kOhm,5%,18W,TP,2012		FC1SR	AG000245	2401-000650	CAL,2.2uF,20%,50V,GP,TP,3.5x5,2.5	
FR11R	AG000171	2007-00872	R-CHIP,4.7kOhm,5%,18W,TP,2012		FC1SL	AG000245	2401-000650	CAL,2.2uF,20%,50V,GP,TP,3.5x5,2.5	
FR20L	AG000171	2007-00872	R-CHIP,4.7kOhm,5%,18W,TP,2012		FC26R	AG000246	2401-000752	CAL,220nF,20%,50V,GP,3'S,2.9MM,TP	
HR5R	AG000172	2007-00941	R-CHIP,4.7kOhm,5%,18W,TP,2012		RC11L	AG000246	2401-000752	CAL,220nF,20%,50V,GP,3'S,2.9MM,TP	
RR11L	AG000172	2007-00941	R-CHIP,4.7kOhm,5%,18W,TP,2012		RC11R	AG000246	2401-000752	CAL,220nF,20%,50V,GP,3'S,2.9MM,TP	
RR11R	AG000172	2007-00941	R-CHIP,4.7kOhm,5%,18W,TP,2012		RC14L	AG000246	2401-000752	CAL,220nF,20%,50V,GP,3'S,2.9MM,TP	
SR19	AG000172	2007-00941	R-CHIP,4.7kOhm,5%,18W,TP,2012		RC14R	AG000246	2401-000752	CAL,220nF,20%,50V,GP,3'S,2.9MM,TP	
UR100	AG000172	2007-00941	R-CHIP,4.7kOhm,5%,18W,TP,2012		RC8L	AG000246	2401-000752	CAL,220nF,20%,50V,GP,3'S,2.9MM,TP	
CR11	AG000172	2007-00941	R-CHIP,4.7kOhm,5%,18W,TP,2012		RC8R	AG000246	2401-000752	CAL,220nF,20%,50V,GP,3'S,2.9MM,TP	
RR18L	AG000172	2007-00941	R-CHIP,4.7kOhm,5%,18W,TP,2012		FC26L	AG000246	2401-000752	CAL,220nF,20%,50V,GP,3'S,2.9MM,TP	
FR13R	AG000172	2007-00941	R-CHIP,4.7kOhm,5%,18W,TP,2012		CC10	AG000246	2401-000752	CAL,220nF,20%,50V,GP,3'S,2.9MM,TP	
HR5L	AG000172	2007-00941	R-CHIP,4.7kOhm,5%,18W,TP,2012		CC13	AG000246	2401-000752	CAL,220nF,20%,50V,GP,3'S,2.9MM,TP	
FR4R	AG000175	2007-00991	R-CHIP,5.6kOhm,5%,18W,TP,2012		CC8	AG000246	2401-000752	CAL,220nF,20%,50V,GP,3'S,2.9MM,TP	
RR4L	AG000175	2007-00991	R-CHIP,5.6kOhm,5%,18W,TP,2012		FC16L	AG000246	2401-000752	CAL,220nF,20%,50V,GP,3'S,2.9MM,TP	
RR4R	AG000175	2007-00991	R-CHIP,5.6kOhm,5%,18W,TP,2012		FC23R	AG000246	2401-000752	CAL,220nF,20%,50V,GP,3'S,2.9MM,TP	
SR4	AG000175	2007-00991	R-CHIP,5.6kOhm,5%,18W,TP,2012		FC23L	AG000246	2401-000752	CAL,220nF,20%,50V,GP,3'S,2.9MM,TP	
FR4L	AG000175	2007-00991	R-CHIP,5.6kOhm,5%,18W,TP,2012		FC16R	AG000246	2401-000752	CAL,220nF,20%,50V,GP,3'S,2.9MM,TP	
H4K2L	AG000176	2007-00991	R-CHIP,5.6kOhm,5%,18W,TP,2012		SC8	AG000253	2401-001238	CAL,4.7uF,20%,25V,GP,3'S,2.5MM,TP	
FR42L	AG000175	2007-00991	R-CHIP,5.6kOhm,5%,18W,TP,2012		SC20	AG000253	2401-001238	CAL,4.7uF,20%,25V,GP,3'S,2.5MM,TP	
CR4	AG000175	2007-00991	R-CHIP,5.6kOhm,5%,18W,TP,2012		SC13	AG000253	2401-001238	CAL,4.7uF,20%,25V,GP,3'S,2.5MM,TP	
SR13	AG000177	2007-01039	R-CHIP,5.6kOhm,5%,18W,TP,2012		FC21R	AG000253	2401-001238	CAL,4.7uF,20%,25V,GP,3'S,2.5MM,TP	
SR11	AG000177	2007-01039	R-CHIP,5.6kOhm,5%,18W,TP,2012		FC21L	AG000253	2401-001238	CAL,4.7uF,20%,25V,GP,3'S,2.5MM,TP	
SR20	AG000179	2007-01118	R-CHIP,8.2kOhm,5%,18W,TP,2012		HC3	AG000256	2401-001502	CAL,47uF,20%,16V,GP,TP,8.3x5,2.5	
SR10	AG000183	2007-01208	R-CHIP,8.2kOhm,5%,18W,TP,2012		HC4	AG000256	2401-001502	CAL,47uF,20%,16V,GP,TP,8.3x5,2.5	
HR1R	AG000183	2007-01208	R-CHIP,8.2kOhm,5%,18W,TP,2012		HC5L	AG000256	2401-001502	CAL,47uF,20%,16V,GP,TP,8.3x5,2.5	
HR1L	AG000183	2007-01208	R-CHIP,8.2kOhm,5%,18W,TP,2012		HC6R	AG000256	2401-001502	CAL,47uF,20%,16V,GP,TP,8.3x5,2.5	
FC18L	AG000192	2201-000470	C-CERAMIC,DISC,0.33nF,10%,50V,SL,TP,6.5K		UC500	AG000256	2401-001502	CAL,47uF,20%,16V,GP,TP,8.3x5,2.5	
CC2	AG000510	2203-000203	C-CERAMIC,CHIP,100nF,10%,18V,XTR,TP,2012		HC2	AG000256	2401-001502	CAL,47uF,20%,16V,GP,TP,8.3x5,2.5	
CC1	AG000199	2203-000260	C-CERAMIC,CHIP,100nF,10%,50V,XTR,TP,2012		FC20	AG000256	2401-001502	CAL,47uF,20%,16V,GP,TP,8.3x5,2.5	
SC6	AG000202	2203-000323	C-CERAMIC,CHIP,120nF,10%,50V,XTR,TP,2012		FC30	AG000256	2401-001502	CAL,47uF,20%,16V,GP,TP,8.3x5,2.5	
SC2	AG000203	2203-000374	C-CERAMIC,CHIP,150nF,10%,50V,XTR,TP,2012		FC31	AG000256	2401-001502	CAL,47uF,20%,16V,GP,TP,8.3x5,2.5	
FC39	AG000203	2203-000374	C-CERAMIC,CHIP,150nF,10%,50V,XTR,TP,2012		FC32	AG000256	2401-001502	CAL,47uF,20%,16V,GP,TP,8.3x5,2.5	
FC36	AG000203	2203-000374	C-CERAMIC,CHIP,150nF,10%,50V,XTR,TP,2012		FC33	AG000256	2401-001502	CAL,47uF,20%,16V,GP,TP,8.3x5,2.5	
FC24R	AG000206	2203-000533	C-CERAMIC,CHIP,2.2nF,10%,50V,XTR,TP,2012		FC42	AG000266	2401-001994	CAL,3.3uF,20%,50V,BP,TP,5X11MM,5	
RC12L	AG000206	2203-000533	C-CERAMIC,CHIP,2.2nF,10%,50V,XTR,TP,2012		FC41	AG000266	2401-001994	CAL,3.3uF,20%,50V,BP,TP,5X11MM,5	
RC12R	AG000206	2203-000533	C-CERAMIC,CHIP,2.2nF,10%,50V,XTR,TP,2012		SC18	AG000269	2401-003336	CAL,4.7uF,20%,50V,GP,TP,5X5,2	
RC17L	AG000206	2203-000533	C-CERAMIC,CHIP,2.2nF,10%,50V,XTR,TP,2012		PC8	AG000379	AH41-00591A	PC8HT,DM150N,PHENOL,1(A)-1,6T,33	
RC17R	AG000206	2203-000533	C-CERAMIC,CHIP,2.2nF,10%,50V,XTR,TP,2012						
FC24L	AG000206	2203-000533	C-CERAMIC,CHIP,2.2nF,10%,50V,XTR,TP,2012						
CC11	AG000206	2203-000533	C-CERAMIC,CHIP,2.2nF,10%,50V,XTR,TP,2012						
CC7	AG000206	2203-000533	C-CERAMIC,CHIP,2.2nF,10%,50V,XTR,TP,2012						
FC11L	AG000206	2203-000533	C-CERAMIC,CHIP,2.2nF,10%,50V,XTR,TP,2012						
FC11R	AG000206	2203-000533	C-CERAMIC,CHIP,2.2nF,10%,50V,XTR,TP,2012						
SC11	AG000207	2203-000609	C-CERAMIC,CHIP,22nF,10%,50V,XTR,TP,2012						
SC25	AG000207	2203-000609	C-CERAMIC,CHIP,22nF,10%,50V,XTR,TP,2012						
FC35L	AG000210	2203-000787	C-CERAMIC,CHIP,0.33nF,5%,50V,C0G,TP,2012						
FC18R	AG000210	2203-000787	C-CERAMIC,CHIP,0.33nF,5%,50V,C0G,TP,2012						
CC6	AG000210	2203-000787	C-CERAMIC,CHIP,0.33nF,5%,50V,C0G,TP,2012						
CC12	AG000210	2203-000787	C-CERAMIC,CHIP,0.33nF,5%,50V,C0G,TP,2012						
RC8R	AG000210	2203-000787	C-CERAMIC,CHIP,0.33nF,5%,50V,C0G,TP,2012						
RC8L	AG000210	2203-000787	C-CERAMIC,CHIP,0.33nF,5%,50V,C0G,TP,2012						
RC13R	AG000210	2203-000787	C-CERAMIC,CHIP,0.33nF,5%,50V,C0G,TP,2012						
RC13L	AG000210	2203-000787	C-CERAMIC,CHIP,0.33nF,5%,50V,C0G,TP,2012						
FC8R	AG000210	2203-000787	C-CERAMIC,CHIP,0.33nF,5%,50V,C0G,TP,2012						
FC8L	AG000210	2203-000787	C-CERAMIC,CHIP,0.33nF,5%,50V,C0G,TP,2012						
FC25R	AG000210	2203-000787	C-CERAMIC,CHIP,0.33nF,5%,50V,C0G,TP,2012						
HC8R	AG000211	2203-000840	C-CERAMIC,CHIP,0.33nF,5%,50V,C0G,TP,2012						
HC8L	AG000211	2203-000840	C-CERAMIC,CHIP,0.33nF,5%,50V,C0G,TP,2012						
FC35	AG000213	2203-000892	C-CERAMIC,CHIP,4.7nF,10%,50V,XTR,TP,2012						
FC40	AG000213	2203-000892	C-CERAMIC,CHIP,4.7nF,10%,50V,XTR,TP,2012						
SC12	AG000213	2203-000892	C-CERAMIC,CHIP,4.7nF,10%,50V,XTR,TP,2012						
FC11R	AG000216	2203-01039	C-CERAMIC,CHIP,5.6nF,10%,50V,XTR,TP,2012						
SC13	AG000216	2203-01036	C-CERAMIC,CHIP,5.6nF,10%,50V,XTR,TP,2012						
SC1	AG000221	2203-01214	C-CERAMIC,CHIP,8.2nF,10%,50V,XTR,TP,2012						
RC3R	AG000223	2203-01537	C-CERAMIC,CHIP,1nF,10%,50V,XTR,TP,2012						
RC3L	AG000223	2203-01537	C-CERAMIC,CHIP,1nF,10%,50V,XTR,TP,2012						
FC3R	AG000223	2203-01537	C-CERAMIC,CHIP,1nF,10%,50V,XTR,TP,2012						
FC3L	AG000223	2203-01537	C-CERAMIC,CHIP,1nF,10%,50V,XTR,TP,2012						
CC3	AG000223	2203-01537	C-CERAMIC,CHIP,1nF,10%,50V,XTR,TP,2012						
FC3R	AG000224	2203-01551	C-CERAMIC,CHIP,1.5nF,10%,50V,XTR,TP,2012						
RC1	AG000274	7703-01551	C-CERAMIC,CHIP,1.5nF,10%,50V,XTR,TP,2012						
RC2R	AG000224	2203-01551	C-CERAMIC,CHIP,1.5nF,10%,50V,XTR,TP,2012						
RC5L	AG000224	2203-01551	C-CERAMIC,CHIP,1.5nF,10%,50V,XTR,TP,2012						
RC5R	AG000224	2203-01551	C-CERAMIC,CHIP,1.5nF,10%,50V,XTR,TP,2012						
CC2	AG000224	2203-01551	C-CERAMIC,CHIP,1.5nF,10%,50V,XTR,TP,2012						
CC5	AG000224	2203-01551	C-CERAMIC,CHIP,1.5nF,10%,50V,XTR,TP,2012						
FC2L	AG000224	2203-01551	C-CERAMIC,CHIP,1.5nF,10%,50V,XTR,TP,2012						
FC2R	AG000224	2203-01551	C-CERAMIC,CHIP,1.5nF,10%,50V,XTR,TP,2012						
FC5L	AG000224	2203-01551	C-CERAMIC,CHIP,1.5nF,10%,50V,XTR,TP,2012						
FC38	AG000226	2203-01596	C-CERAMIC,CHIP,2.2uF,+80-20%,50V,5V,TP						
FC37	AG000226	2203-01596	C-CERAMIC,CHIP,2.2uF,+80-20%,50V,5V,TP						
HC1R	AG000236	2401-000213	CAL,100F,20%,50V,GP,TP,3x5,2.5						

LOCATION	TOSHIBA PART NO.	SAMSUNG CODE NO.	Description/Specification	REMARK
VIC5	AG000477	AH2-0715A	ASSY PCB-JACKS-D43,JACK PCB	USA/CANADA
VIC4	AG000071	1201-01922	IC:RF AUDIO SWITCH BA7612F,-SDIC,BP,173	
VW4	AG000294	3708-00412	IC:VIDEO AMP BA7685FS,SSOP,16P,6.8K,4MM	
VW3	AG000299	3708-01761	CONNECTOR:FP0FFC0P1C,2P,1.25mm,ANGLE	
VW1	AG000315	3711-00410	CONNECTOR:FP0FFC0P2C,2P,1MM,STRAIGHT	
VW2	AG000321	3711-00540	CONNECTOR:HEADER,BOK,12P,1.2MM,STRAIGHT	
JK1	AG000325	3722-001693	CONNECTOR:HEADER,3WALL,19P,1.2MM,STRAIGHT	
JK5	AG000328	3722-001848	JACK:PIN,3P,8.3P,N-F,6.8K,BAKREQ	
JK4	AG000327	3722-001894	JACK:PIN,3P,8.3P,N-F,6.8K,BAKREQ	
VZD1	AG000024	0403-00372	JACK:DIN4P,SN,ULK-	
VR44	AG000087	2001-000022	DIODE:ZENER,U28,16M,9.1V,8.7-9.4V,50MW	
VR36B	AG000091	2001-000241	R-CARBON(S),330HM,5%,12W,AA,TP,2,4X8,4M	
VR7	AG000094	2001-000290	R-CARBON(T),5KOhm,5%,18W,AA,TP,1,8x3,2mm	
VR43	AG000097	2001-000429	R-CARBON(T),10kOhm,5%,18W,AA,TP,1,8x3,2mm	
VR36A	AG000097	2001-000429		

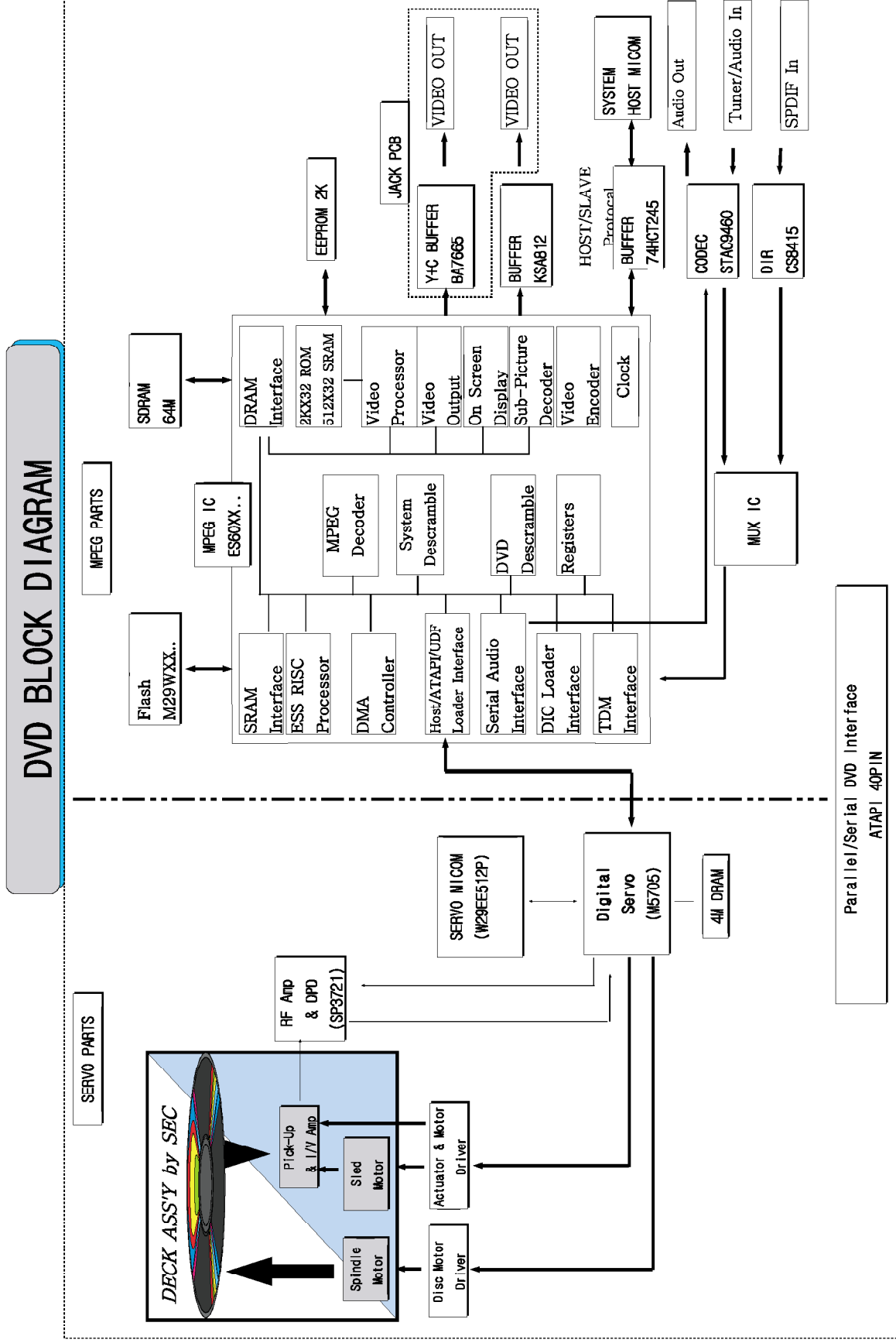
LOCATION	TOSHBA PART NO.	SAMSUNG CODE NO.	Description/Specification	REMARK
VC23	AG000261	2401-001938	CAL 27uF 70%, 25V GPTP5x11mm,5mm	
VC21	AG000261	2401-001938	CAL 22uF 20%, 25V GPTP5x11mm,5mm	
VC29	AG000262	2401-001952	CAL 4.7uF 20%, 50V GPTP5x7mm,5mm	
VL3	AG000569	2701-000177	INDUCTOR AXIAL 33uH 1%, 2.5x3.4mm	
VL1	AG000569	2701-000177	INDUCTOR AXIAL 33uH 1%, 2.5x3.4mm	
PCB	AG000380	AH41-00582A	PCB HTDMM/SON, PHENOL, 1.0, 1.6T, 29	
	AG000478	AH92-00176A	ASSY PCB-POWER,SD-43,POWER PCB	US&CANADA
RBD1	AG000017	0402-001077	D CODE BRIDGE KSP 20G, 200V/2A, SIP-4	
RIC2	AG000068	1201-000191	IC-OP AMP,4558,DIP 8P,300MIL,DUAL,20V/mV	
RIC1	AG000074	1203-000276	IC-POS FIXED REG, 7805,TO-220,3P, PLAS	
RC5	AG000191	2201-000161	C-CERAMIC DISC,10NF,40-20%,500V,Y5U,TP	
RC1	AG000195	2201-002128	C-CERAMIC DISC,47NF,20%,400V,Y5U,BK,15X	
RC2	AG000195	2201-002128	C-CERAMIC DISC,47NF,20%,400V,Y5U,BK,15X	
RC4	AG000195	2201-002128	C-CERAMIC DISC,47NF,20%,400V,Y5U,BK,15X	
RC3	AG000195	2201-002128	C-CERAMIC DISC,47NF,20%,400V,Y5U,BK,15X	
RC6	AG000255	2401-001413	CAL 47uF 20%, 35V GP, 1.0x2.0,5mm	
RE2	AG000289	3501-001008	RELAY POWER,12VDC,530MMX,10000MA,1FORM,C,1	
RE1	AG000280	3501-001254	RELAY MINATURE,12VDC,0.25W,10000MA,SPST	
RFU3	AG000291	3601-000194	FUSE 250V,160mA,TIME LAG, GLASS,5x20	
RFU1	AG000292	3601-001245	FUSE CARTRIDGE,125VAC,TIME DELAY, GLASS	
RCW1	AG000307	3711-000190	CONNECTOR HEADER,1 WALL,3P,1R,7,30MM,3TRA	
RCW3	AG000312	3711-001018	CONNECTOR HEADER,BOK,3P,1R,2mm,STRAIGHT	
RCW2	AG000316	3711-001484	CONNECTOR HEADER,BOK,3P,1R,7,30MM,STRAIG	
RPT1	AG000355	AH26-00143M	TRANS POWER, SD-43, 8,144(2.4x0.9),0.11	
RL4	AG000358	AH27-00054A	COIL FILTER HTD6300,600UH#30%, 10T,27	
PIC1	AG000405	AH23-00062A	HEAT SINK AL, ..., 3,3,3,MGT-	
RD3	AG000012	0401-000101	D CODE SWITCHING,1N448,100V,200mA,DO-35,	
RD7	AG000014	0402-000127	D CODE RECTIFIER,1N4002,100V,1A,DO-41,TP	
RD4	AG000014	0402-000127	D CODE RECTIFIER,1N4002,100V,1A,DO-41,TP	
RD2	AG000014	0402-000127	D CODE RECTIFIER,1N4002,100V,1A,DO-41,TP	
RD1	AG000014	0402-000127	D CODE RECTIFIER,1N4002,100V,1A,DO-41,TP	
RZD1	AG000021	0403-000354	D CODE ZENER,UZ251B,5.1V,4.5-4V,500mW,DO	
RD3	AG000032	0501-000010	TR SMALL SIGNAL,KSC108,NPN,800mW,TO-92	
RR4	AG000080	2001-000050	R-CARBON,2.7kOhm,5%,1/4W,AA,TP,1.8x3.2mm	
RR3	AG000087	2001-000429	R-CARBON,1kOhm,5%,1/8W,AA,TP,1.8x3.2mm	
RR5	AG000088	2001-000449	R-CARBON,2.2kOhm,5%,1/8W,AA,TP,1.8x3.2mm	
RR2	AG000089	2001-000472	R-CARBON,2.7kOhm,5%,1/8W,AA,TP,1.8x3.2mm	
RR7	AG000103	2001-000680	R-CARBON,33kOhm,5%,1/8W,AA,TP,1.8x3.2mm	
RR6	AG000106	2001-000690	R-CARBON,5.6kOhm,5%,1/8W,AA,TP,1.8x3.2mm	
HK3	AG000111	2001-001163	H-CARBON(S),56kOhm,5%,12W,AA,1P,2.4x6.4	
RC8	AG000242	2401-000438	CAL 10uF 20%, 25V GP, SK11.5	
RC12	AG000248	2401-000830	CAL 220uF 20%, 25V GPTP8x11, 5.5	
RC10	AG000258	2401-001538	CAL 47uF 20%, 25V GPTP5x11mm,5mm	
RC9	AG000263	2401-001954	CAL 4.7uF 20%, 50V GPTP5x11mm,5mm	
RFU1	AG000293	3602-000147	FUSE QJP,250V,1.5A,30mm	
RFU3	AG000293	3602-000147	FUSE QJP,250V,1.5A,30mm	
PCB	AG000387	AH41-00582A	PCB,ST43,PHENOL,1.0,1.6T,747X177	
	AG000470	AH92-01030A	ASSY PCB-FRONT,SD-43,FRONT PCB	US&CANADA
ULED1	AG000050	0601-001059	LED,ROUND,YEL,5mm,585nm	
ULED2	AG000050	0601-001059	LED,ROUND,YEL,5mm,585nm	
ULD3	AG000051	0601-001580	LED,ROUND,R-ORG,GRN,3MM,630,565NM	
UX1	AG000281	2802-001174	RESONATOR,CERAMIC,10MHz,0.5%,BK,8X,5X3M	
UVR	AG000287	3406-001047	SWITCH ROTARY, 5V DC, 0.5mA, 12mm	
UCW1	AG000296	3708-000127	CONNECTOR PFP,OPF,PIC,27P,1R,2mm,STRAIGH	
UCW4	AG000311	3711-000968	CONNECTOR HEADER,BOK,4P,1R,2mm,STRAIGHT	
HJ1	AG000324	3722-001588	JACK PHONE,TP,3 P,PLAG,BLK-	
UEVE	AG000348	AC59-80069A	MODULE REMOCON,PS1U281R,SHARP,38KHZ,...	
VFD	AG000350	AH07-00031A	VFD DISPLAY,HMM-11SS347,HT-DM150,100X25.1	
UN3	AG000367	AH39-00433A	CSF HARNESS,HT-DM150,106146, 4P, ...	
RJW2	AG000373	AH39-50001H	WIRE HARNESS,RING, 100#24,100MM,BLK	
RJW1	AG000373	AH39-50001H	WIRE HARNESS,RING, 100#24,100MM,BLK	
HOLDER	AG000395	AH01-01131A	HOLDER,VFD,HTDMM150,ABS, ..., BLK-	
HD1	AG000012	0401-000101	D CODE SWITCHING,1N448,100V,200mA,DO-35,	
UD1	AG000012	0401-000101	D CODE SWITCHING,1N448,100V,200mA,DO-35,	
UD100	AG000012	0401-000101	D CODE SWITCHING,1N448,100V,200mA,DO-35,	
UD3	AG000012	0401-000101	D CODE SWITCHING,1N448,100V,200mA,DO-35,	
UD105	AG000012	0401-000101	D CODE SWITCHING,1N448,100V,200mA,DO-35,	
UD101	AG000012	0401-000101	D CODE SWITCHING,1N448,100V,200mA,DO-35,	
UD9	AG000013	0401-001090	D CODE SWITCHING,1SS355,80V,225mA,SOD-323	
UD15	AG000013	0401-001090	D CODE SWITCHING,1SS355,80V,225mA,SOD-323	
UD108	AG000013	0401-001090	D CODE SWITCHING,1SS355,80V,225mA,SOD-323	
UD10	AG000013	0401-001090	D CODE SWITCHING,1SS355,80V,225mA,SOD-323	
UD106	AG000013	0401-001090	D CODE SWITCHING,1SS355,80V,225mA,SOD-323	
UD107	AG000013	0401-001090	D CODE SWITCHING,1SS355,80V,225mA,SOD-323	
UQ3	AG000083	0501-000394	TR SMALL SIGNAL,K3AT80,Y-PNP,800mW,TO-92	
UQ4	AG000087	0501-000341	TR SMALL SIGNAL,KSC162,3,NPN,200mW,SOF	
UQ2	AG000046	0504-000118	TR DIGITAL,KSR100,3,NPN,300MW,22KX2K,TO	
UC1	AG000049	0504-001003	TR DIGITAL,KSR200,3,PNP,300MW,22KX2K,TO	
UR26	AG000082	2001-000258	R-CARBON,1.8kOhm,5%,1/8W,AA,TP,1.8x3.2mm	
UR32	AG000083	2001-000281	R-CARBON,10kOhm,5%,1/8W,AA,TP,1.8x3.2mm	
UR27	AG000085	2001-000331	R-CARBON,12kOhm,5%,1/8W,AA,TP,1.8x3.2mm	
UR29	AG000086	2001-000449	R-CARBON,2.2kOhm,5%,1/8W,AA,TP,1.8x3.2mm	
UR28	AG000101	2001-000591	R-CARBON,3.3kOhm,5%,1/8W,AA,TP,1.8x3.2mm	
UR31	AG000103	2001-000680	R-CARBON,33kOhm,5%,1/8W,AA,TP,1.8x3.2mm	
UR28	AG000105	2001-000802	R-CARBON,5.6kOhm,5%,1/8W,AA,TP,1.8x3.2mm	
UR42	AG000504	2001-001107	R-CARBON(S),220kOhm,5%,12W,AA,TP,2.4x6.4	
UR33	AG000111	2001-001163	R-CARBON(S),56kOhm,5%,12W,AA,TP,2.4x6.4	
UJ23	AG000118	2007-000029	R-CHIP,10kOhm,5%,1/8W,TP,2012	
UR97	AG000149	2007-000300	R-CHIP,10kOhm,5%,1/8W,TP,2012	
UR81	AG000149	2007-000300	R-CHIP,10kOhm,5%,1/8W,TP,2012	
UR80	AG000149	2007-000300	R-CHIP,10kOhm,5%,1/8W,TP,2012	

LOCATION	TOSHBA PART NO.	SAMSUNG CODE NO.	Description/Specification	REMARK
UR35	AG000048	2007-000300	R-CHIP,10kOhm,5%,1/8W,TP,2012	
UR34	AG000048	2007-000300	R-CHIP,10kOhm,5%,1/8W,TP,2012	
UR74	AG000056	2007-000477	R-CHIP,10kOhm,5%,1/8W,TP,2012	
UR91	AG000058	2007-000493	R-CHIP,2.2kOhm,5%,1/8W,TP,2012	
UR94	AG000060	2007-000585	R-CHIP,220kOhm,5%,1/8W,TP,2012	
UR51	AG000062	2007-000586	R-CHIP,22kOhm,5%,1/8W,TP,2012	
UR52	AG000062	2007-000586	R-CHIP,22kOhm,5%,1/8W,TP,2012	
UR93	AG000071	2007-000872	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR105	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR104	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR103	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR102	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR101	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR108	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR126	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR125	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR124	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR123	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR122	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR121	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR127	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR82	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR75	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR50	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR130	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR129	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR128	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR120	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR112	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR111	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR110	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR109	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR108	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR107	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR113	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR119	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR118	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR117	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR114	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR115	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR116	AG000072	2007-000941	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UR90	AG000073	2007-000947	R-CHIP,4.7kOhm,5%,1/8W,TP,2012	
UC15	AG000510	2203-000203	C-CERAMIC,CHIP,100nF,10%,180XTR,TP,2012	
UC14	AG000510	2203-000203	C-CERAMIC,CHIP,100nF,10%,180XTR,TP,2012	
HC3L	AG000511	2203-000239	C-CERAMIC,CHIP,0.1NF,5%,50V,ORG,TP,2012	
HC3R	AG000511	2203-000239	C-CERAMIC,CHIP,0.1NF,5%,50V,ORG,TP,2012	
UC81	AG000099	2203-000280	C-CERAMIC,CHIP,10nF,10%,50V,XTR,TP,2012	
UC80	AG000099	2203-000280	C-CERAMIC,CHIP,10nF,10%,50V,XTR,TP,2012	
UC4	AG000099	2203-000280	C-CERAMIC,CHIP,10nF,10%,50V,XTR,TP,2012	
HC2L	AG000206	2203-000533	C-CERAMIC,CHIP,2.7nF,10%,50V,XTR,TP,2012	
HC2R	AG000206	2203-000533	C-CERAMIC,CHIP,2.7nF,10%,50V,XTR,TP,2012	
HC1	AG000223	2203-001537	C-CERAMIC,CHIP,1nF,10%,50V,XTR,TP,2012	
UC3	AG000239	2401-000243	CAL 10uF 20%, 10V GP,5, 2.5MM,TP	
UC5	AG000246	2401-000732	CAL 220uF 20%, 50V GP,3.5, 2.5MM,TP	
UC2	AG000262	2401-001952	CAL 4.7uF 20%, 50V GPTP5x7mm,5mm	
UC0	AG000275	2409-000123	C-EDL,4700uF,40V,5.5V, BK-, 5mm	
HL1R	AG000276	2701-000114	INDUCTOR AXIAL,10uH,10%,2.5x3.4mm	
HL1L	AG000276	2701-000114	INDUCTOR AXIAL,10uH,10%,2.5x3.4mm	
SW7	AG000286	3404-000165	SWITCH-TACT,12V,30mA,160gf,6x6mm,SPST	
SW6	AG000286	3404-000165	SWITCH-TACT,12V,30mA,160gf,6x6mm,SPST	
SW5	AG000286	3404-000165	SWITCH-TACT,12V,30mA,160gf,6x6mm,SPST	
SW4	AG000286	3404-000165	SWITCH-TACT,12V,30mA,160gf,6x6mm,SPST	
SW1	AG000286	3404-000165	SWITCH-TACT,12V,30mA,160gf,6x6mm,SPST	
SW2	AG000286	3404-000165	SWITCH-TACT,12V,30mA,160gf,6x6mm,SPST	
SW3	AG000286	3404-000165	SWITCH-TACT,12V,30mA,160gf,6x6mm,SPST	
UIC1	AG000352	AH11-00088A	MASK ROM,LC87674BC-S28B,HTDMM/SON,56K-	
PCB	AG000381	AH41-00582A	PCB,SD2000,EPOXY,2.0,1.6T,1.6T,163	

5. Block Diagram

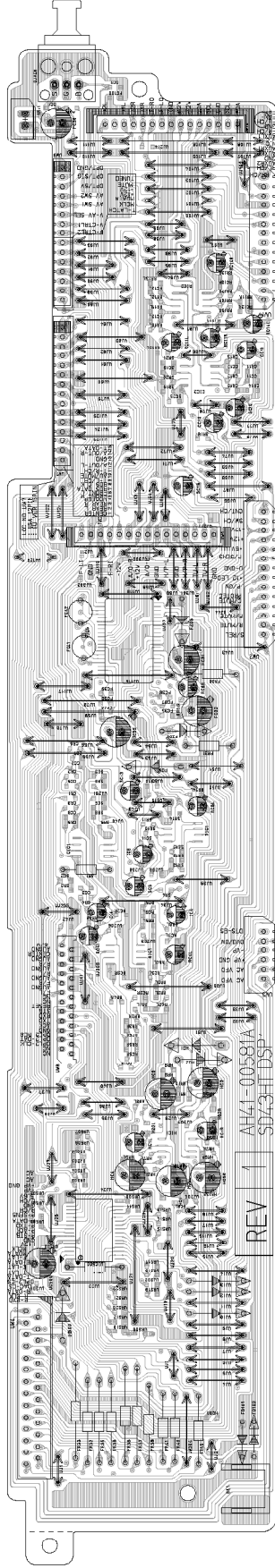
5-1 MAIN Part



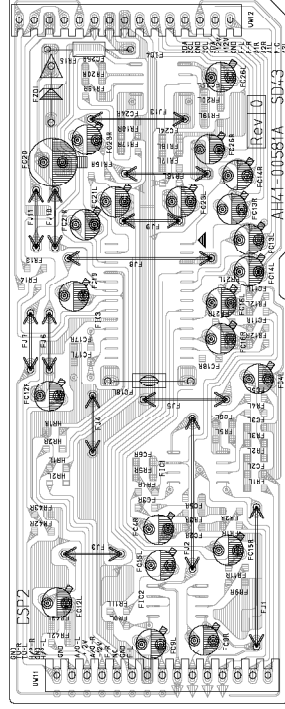


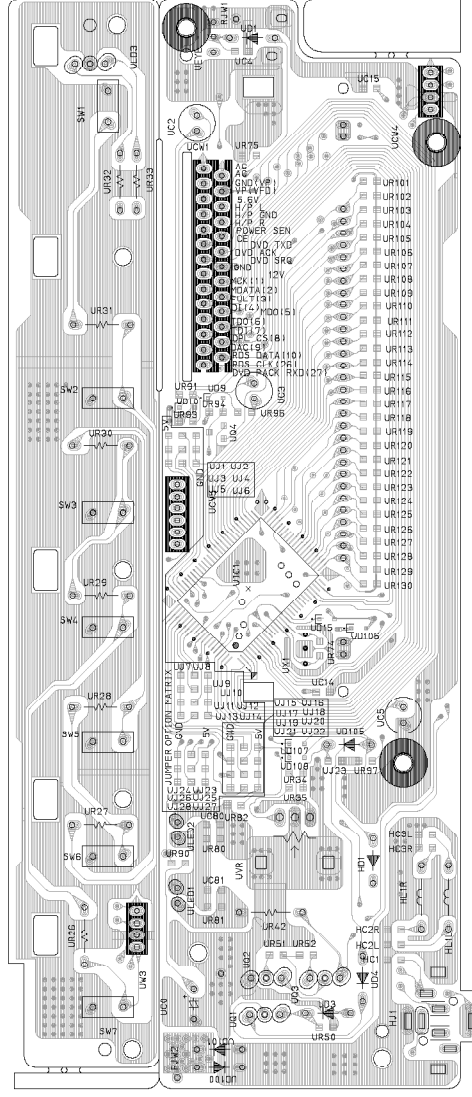
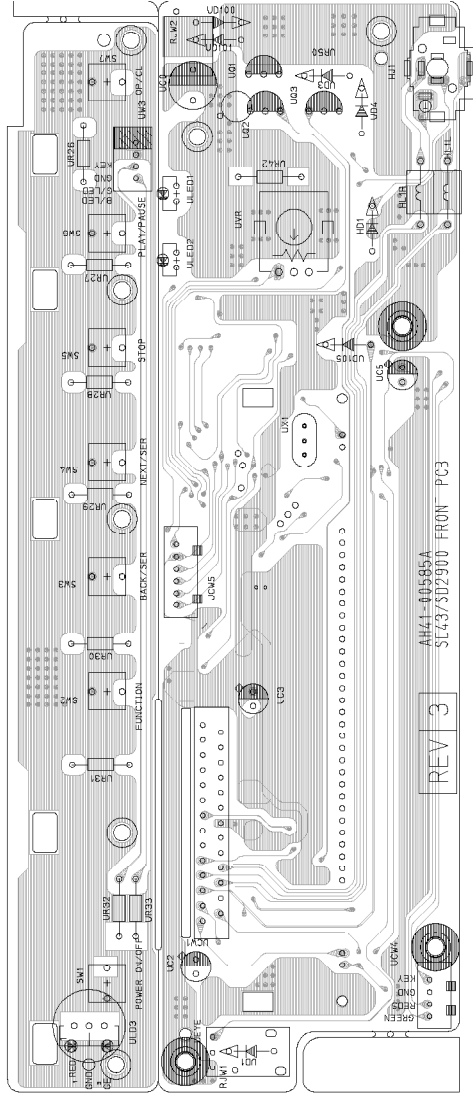
6. Printed Circuit Board Diagram

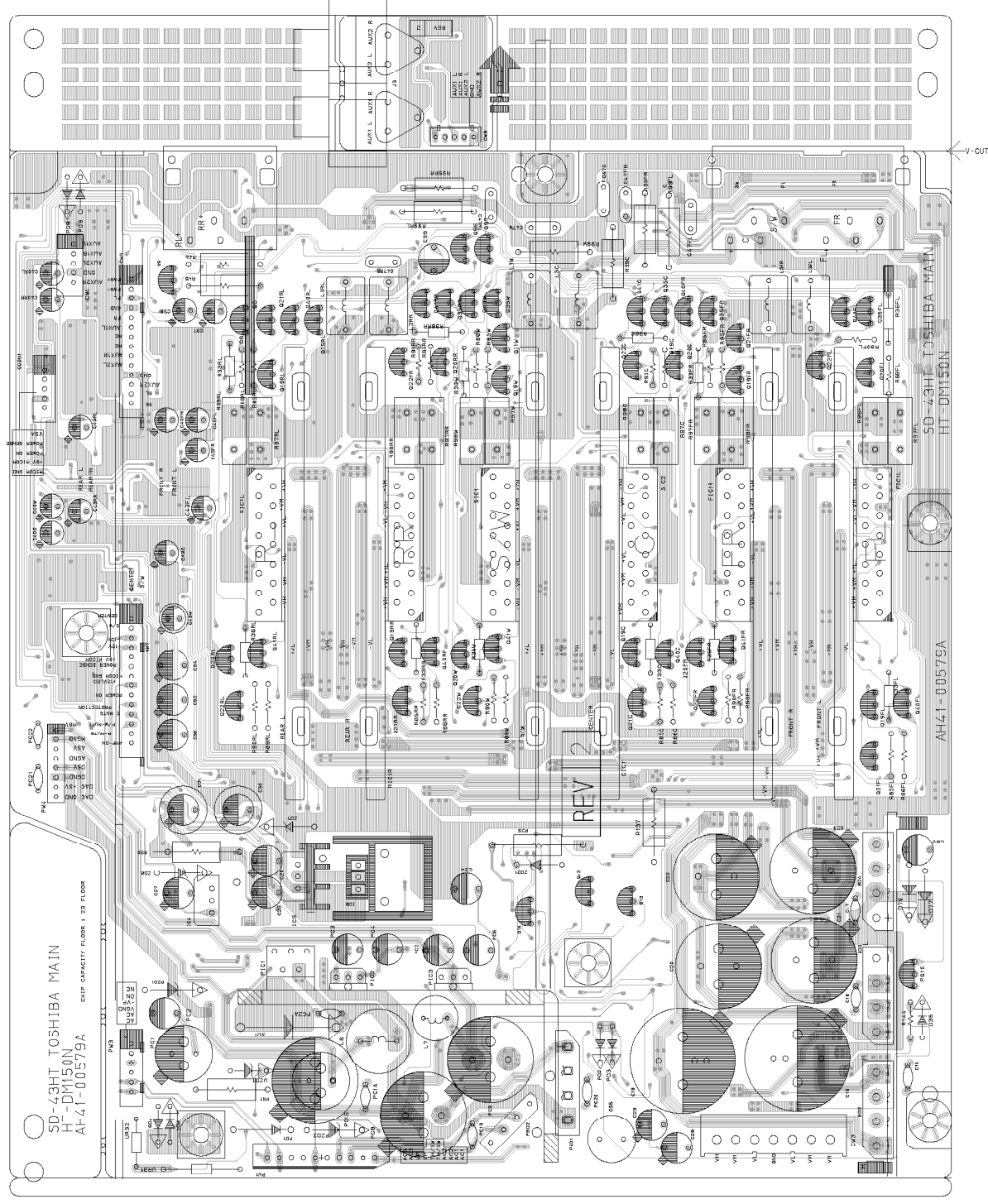
6-1 DSP1

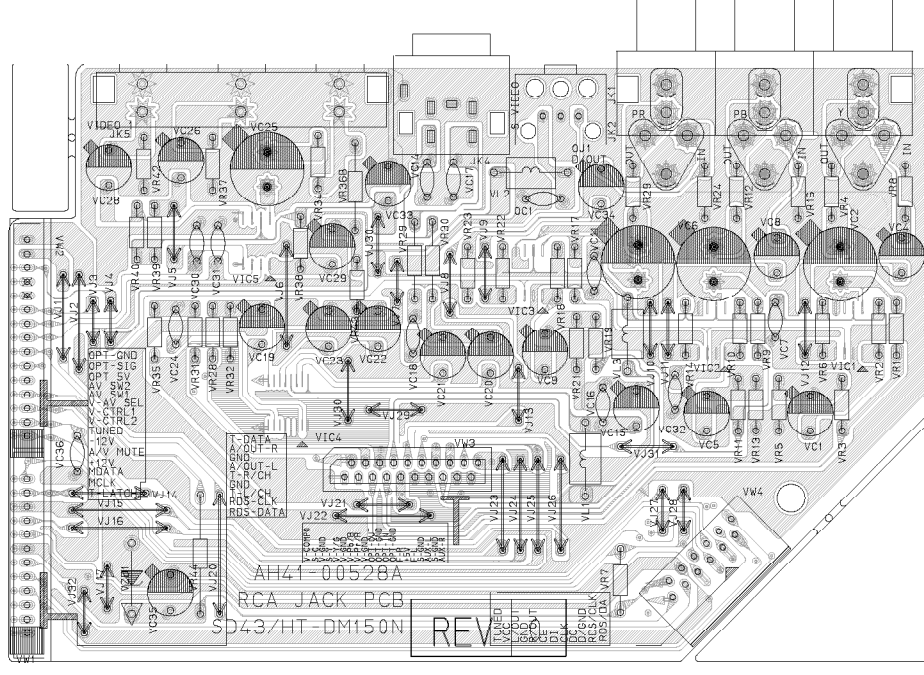
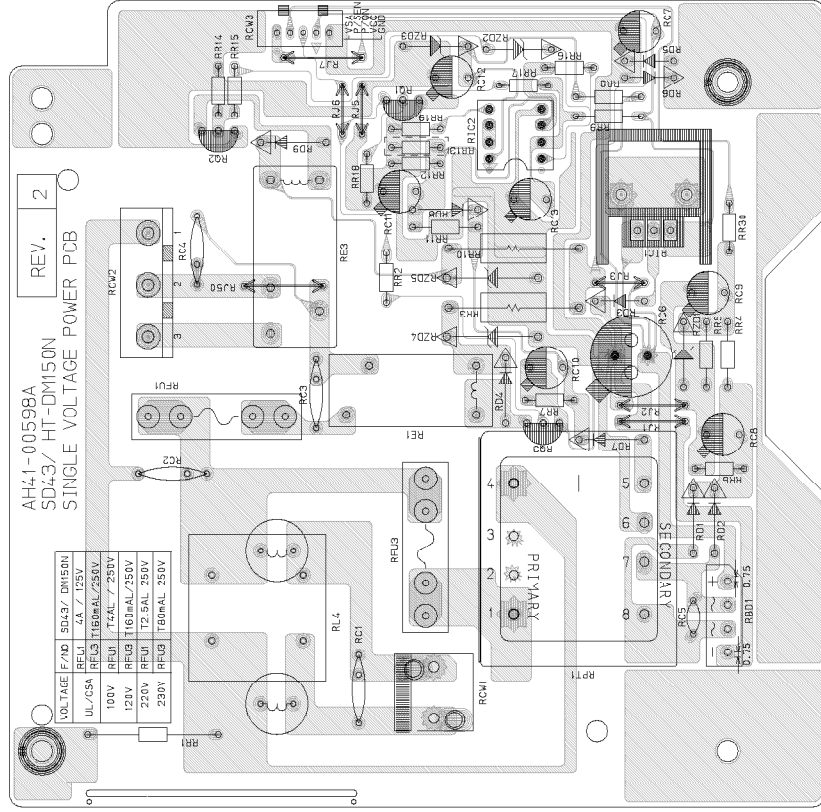


6-2 DSP2

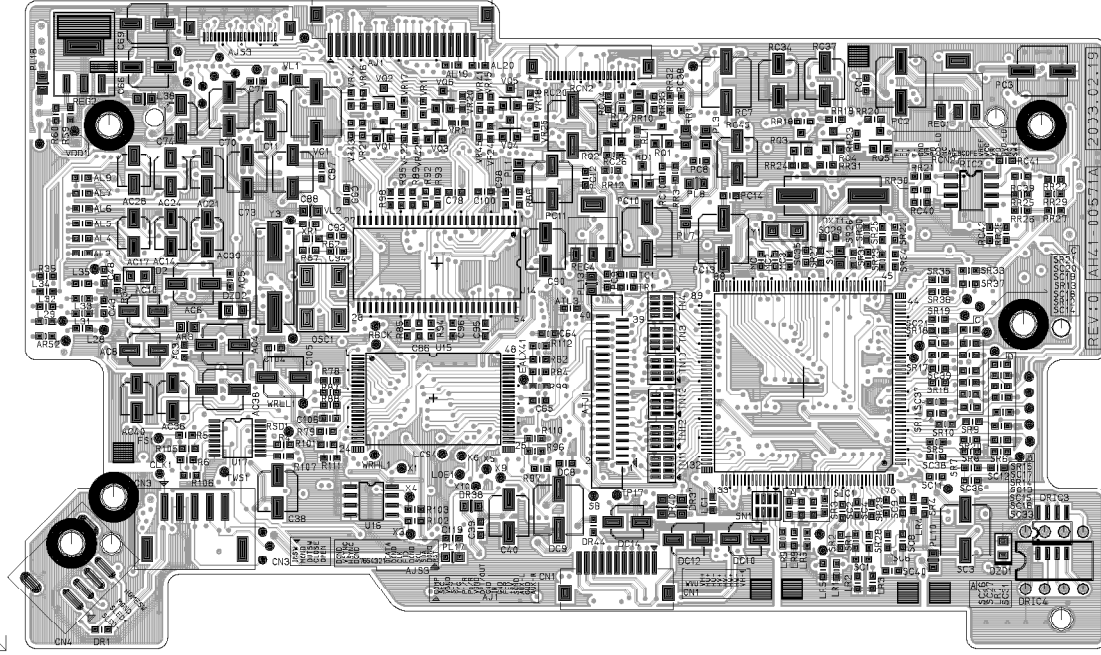




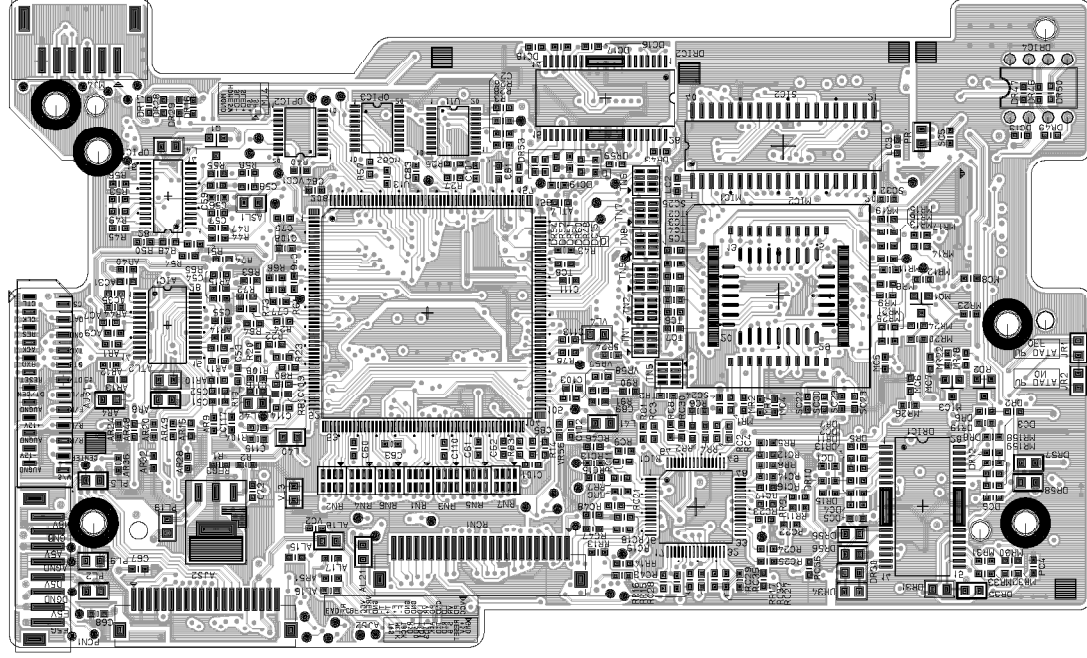




V-CUT

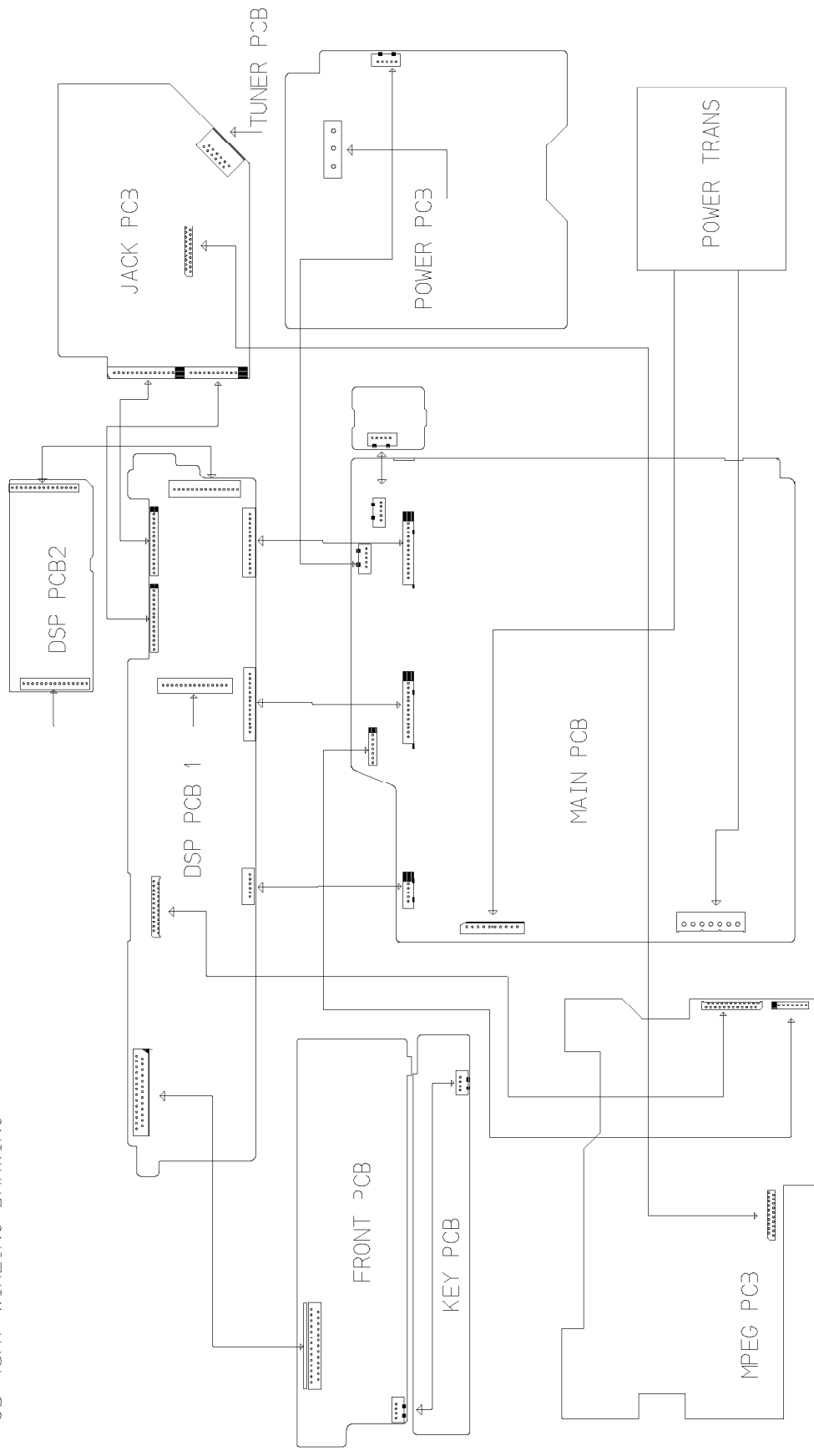


V-CUT



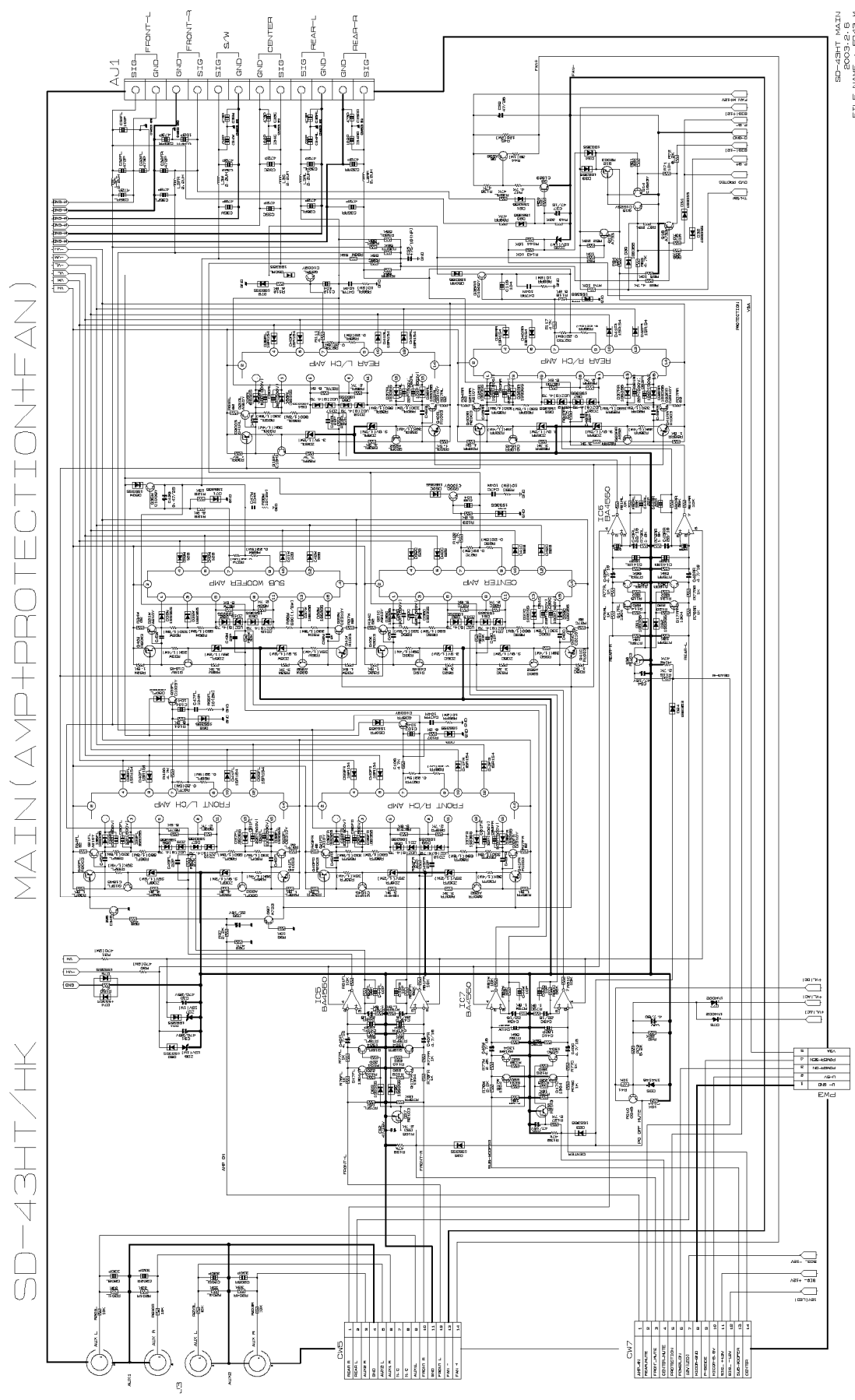
7. Wiring Diagram

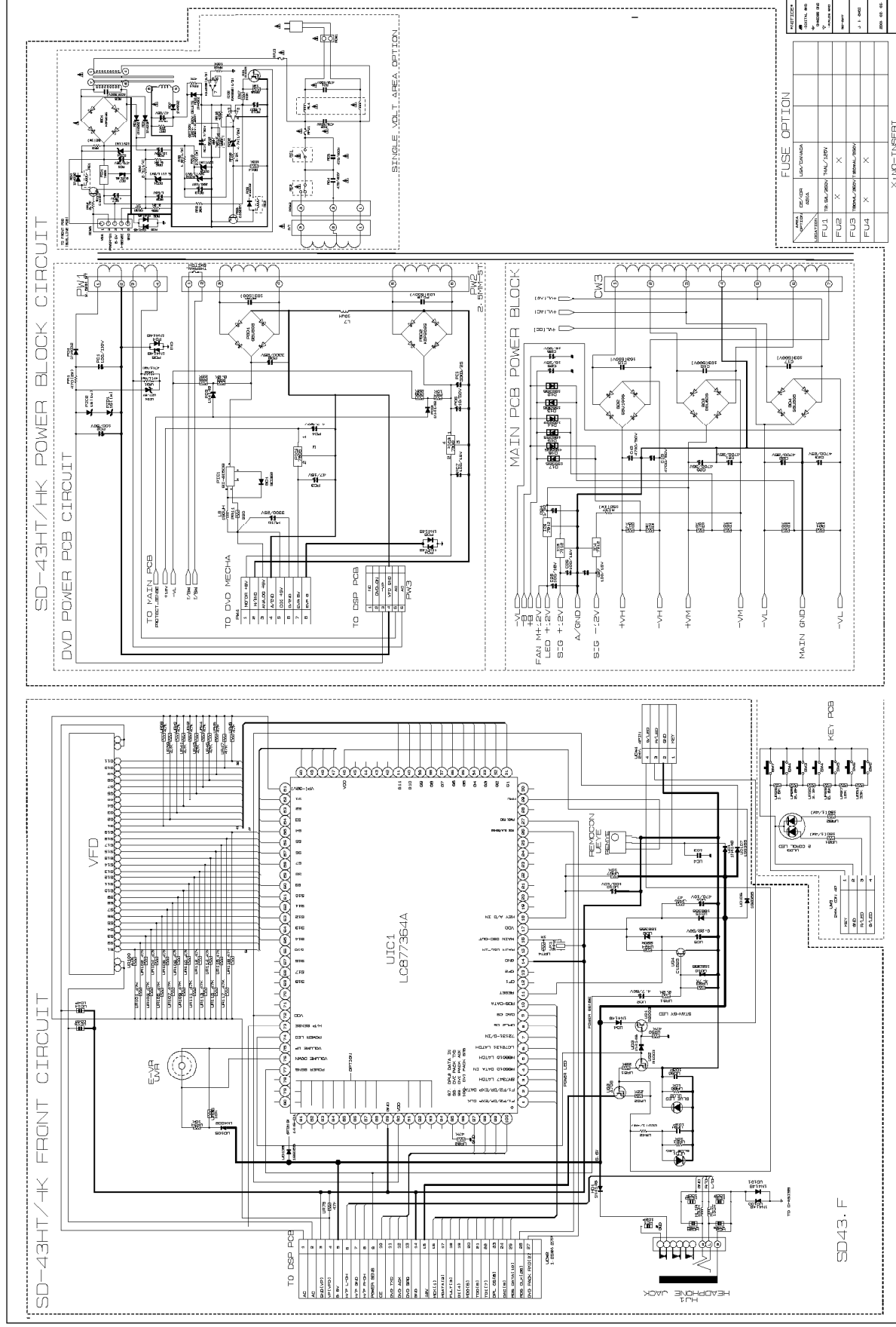
SD-43HT WIRING DRAWING



8. Schematic Diagram

8-1 MAIN

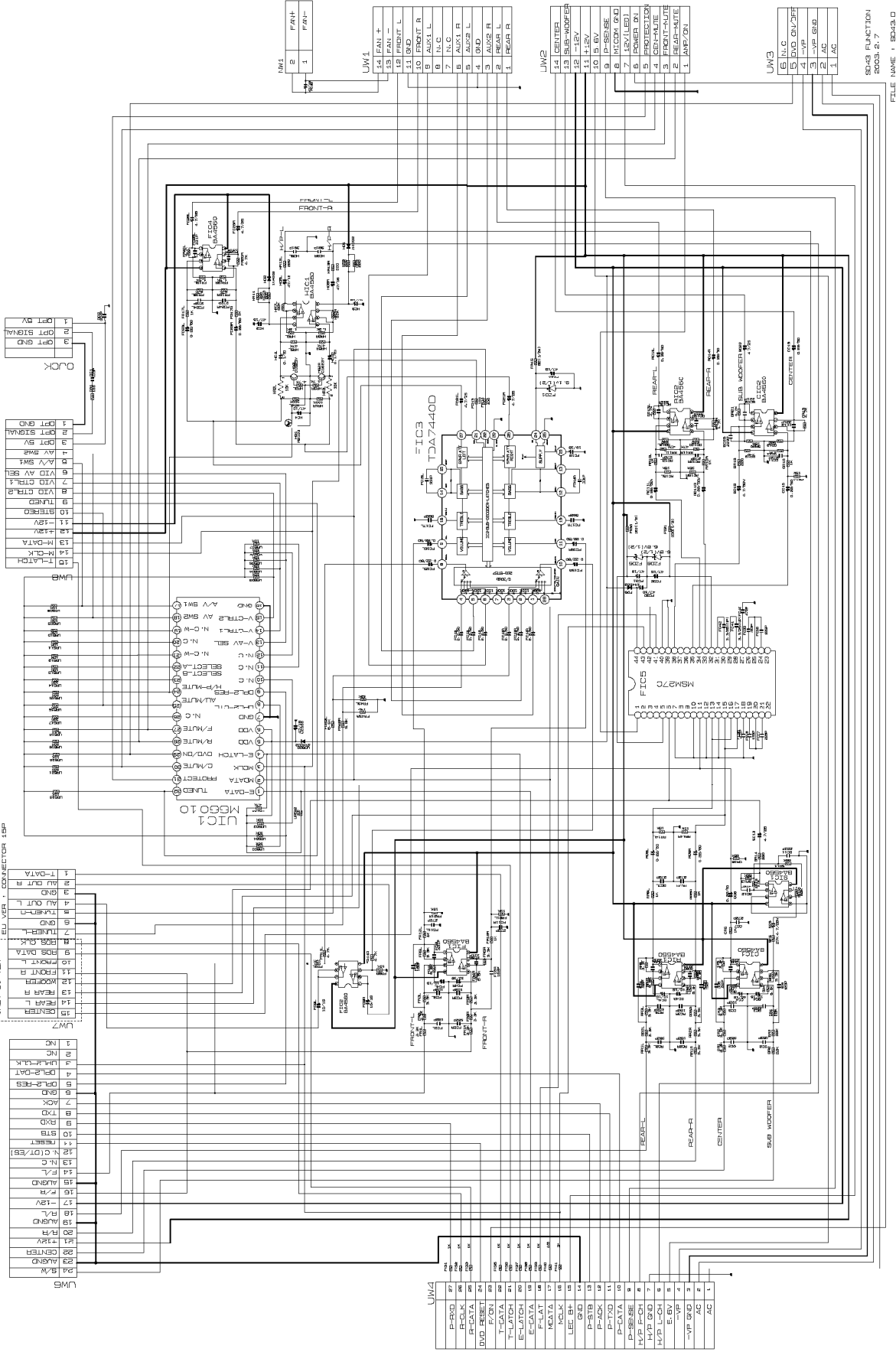




SD-43HT/HK FUNCTION

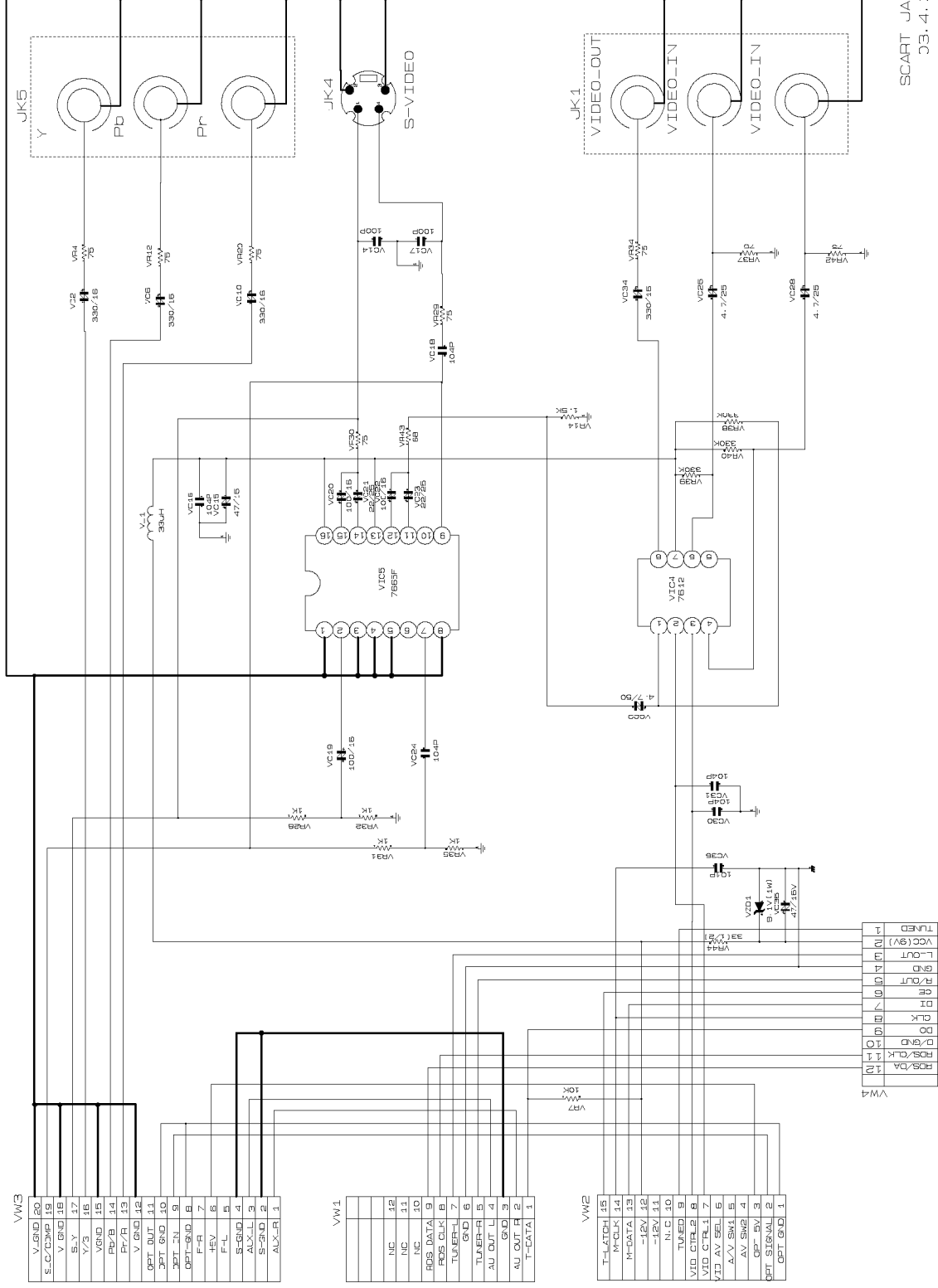
ONLY EU VER

U.S.A. VER. CONNECTOR 12P
EU VER. T. CONNECTOR 19P

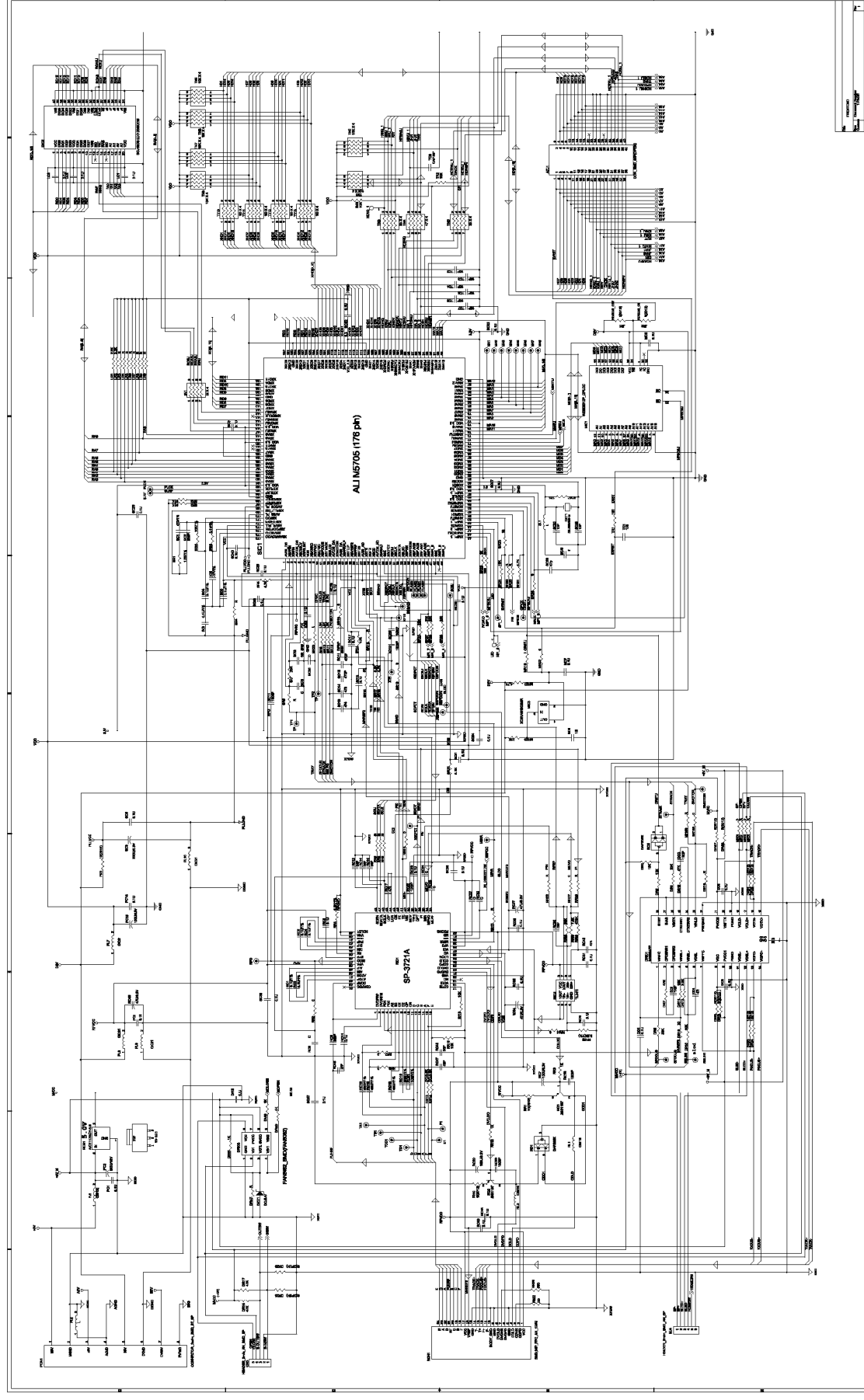


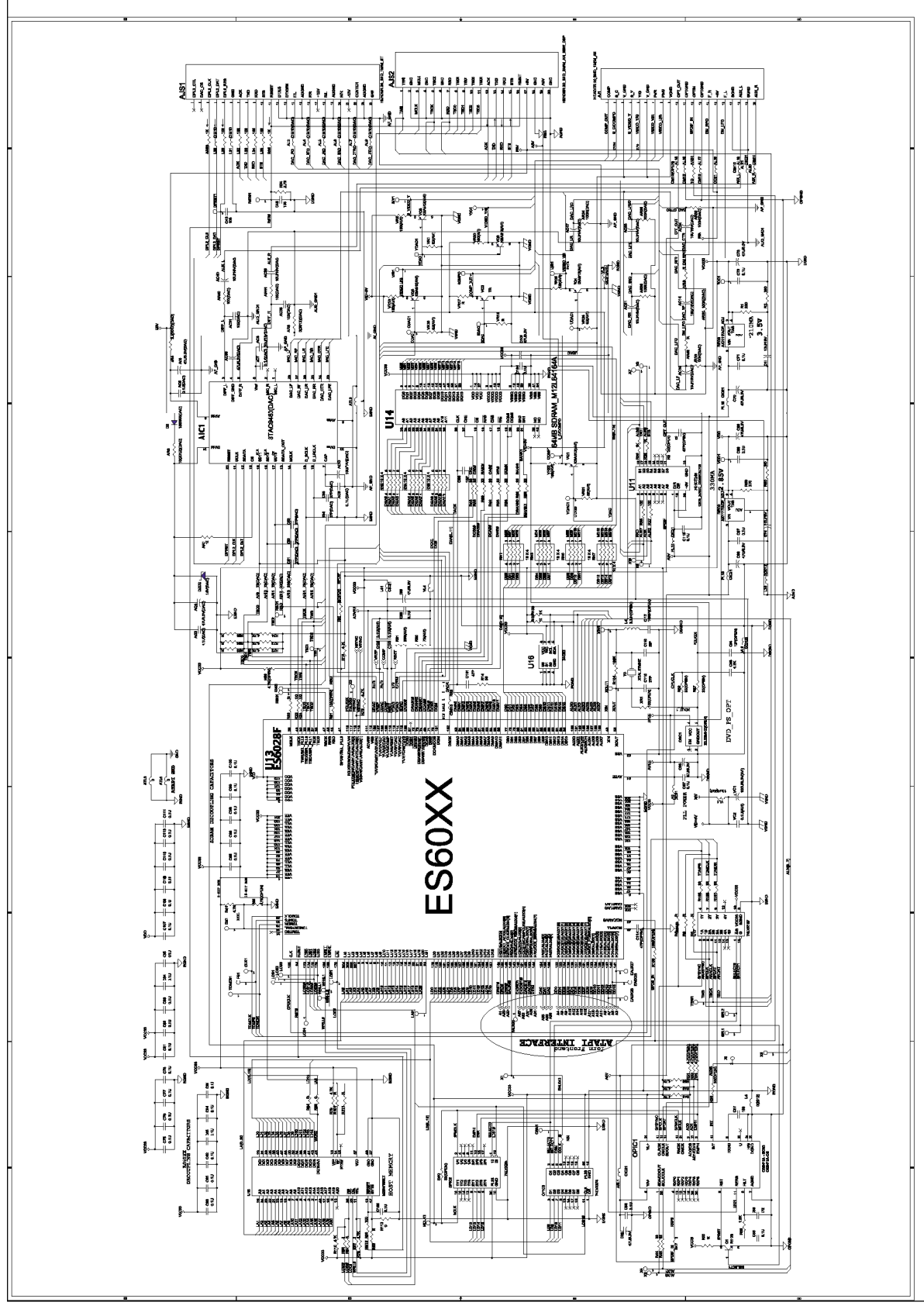
8-4 JACK (RCA)

SD-43HT RCA JACK



SCART JACK
03.4.3



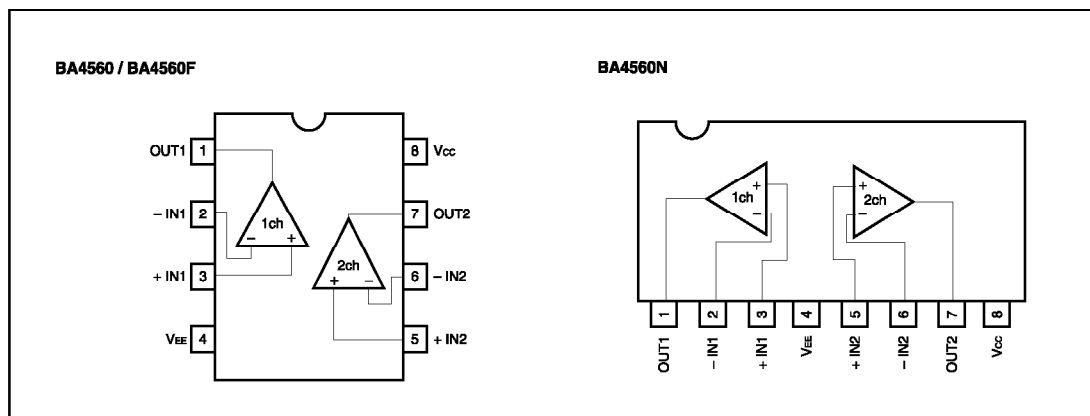


9. IC Block Diagrams

9-1 Main

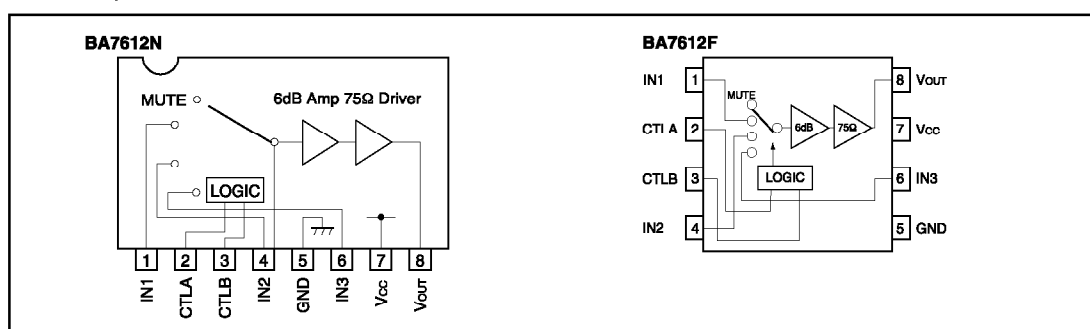
9-1-1. BA4560

●Block diagram



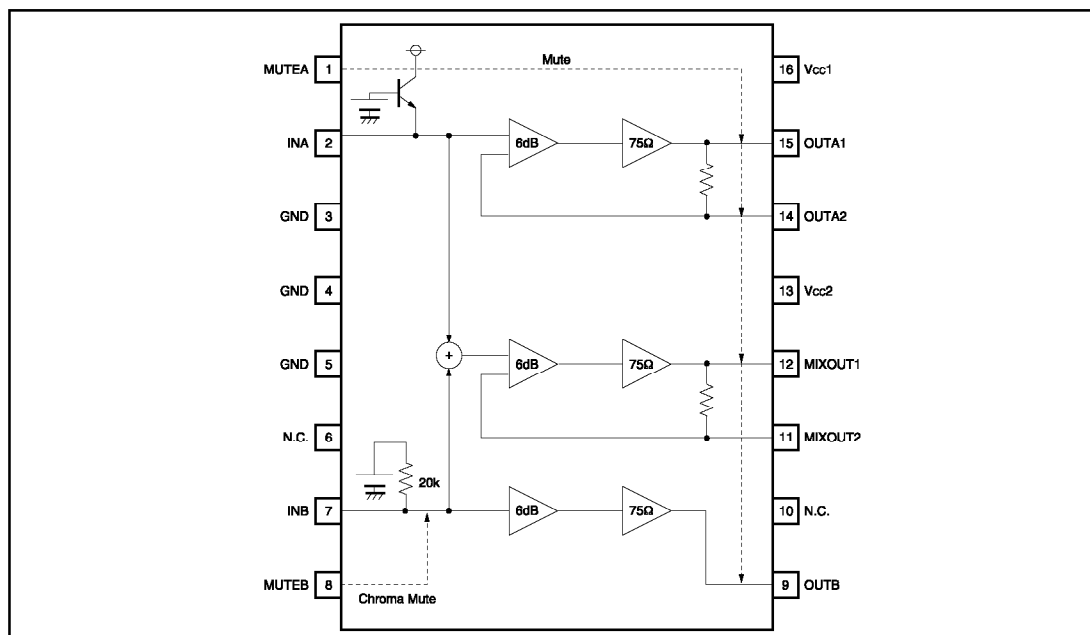
9-1-2. BA7612N

●Block diagram

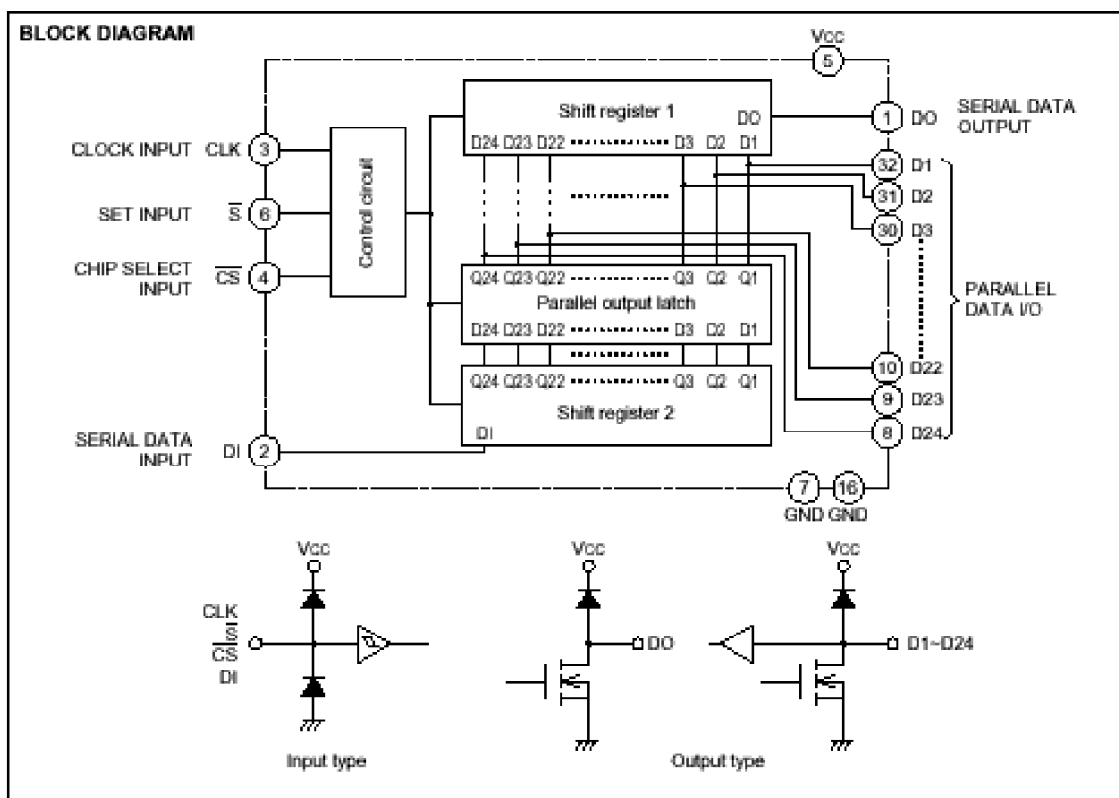


9-1-3. BA7665FS

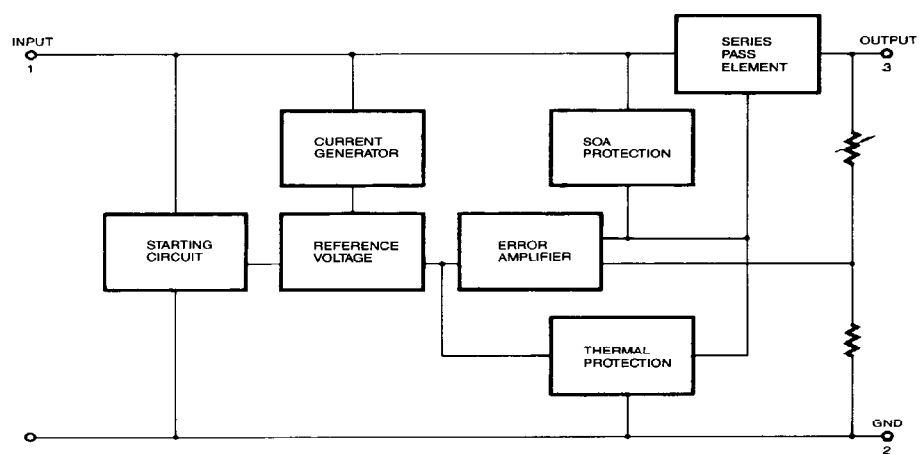
●Block diagram



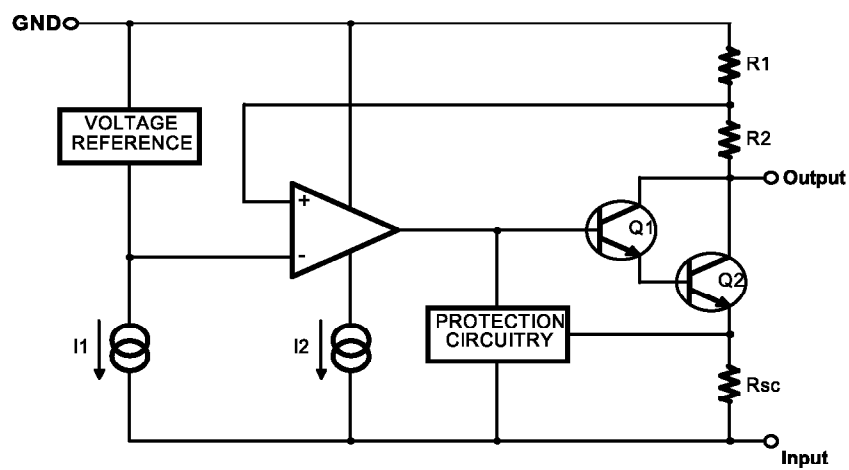
9-1-4. M66010AFP



9-1-5. KA7805/ 7808/ 7812

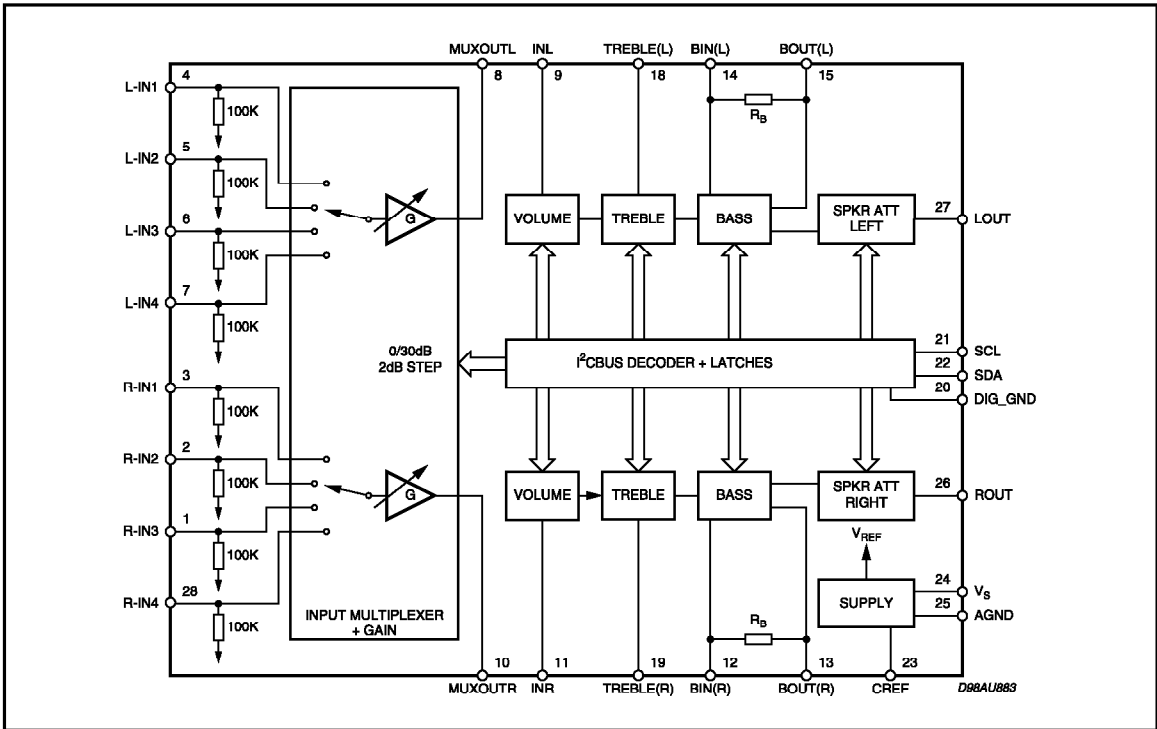


9-1-6. KA7912

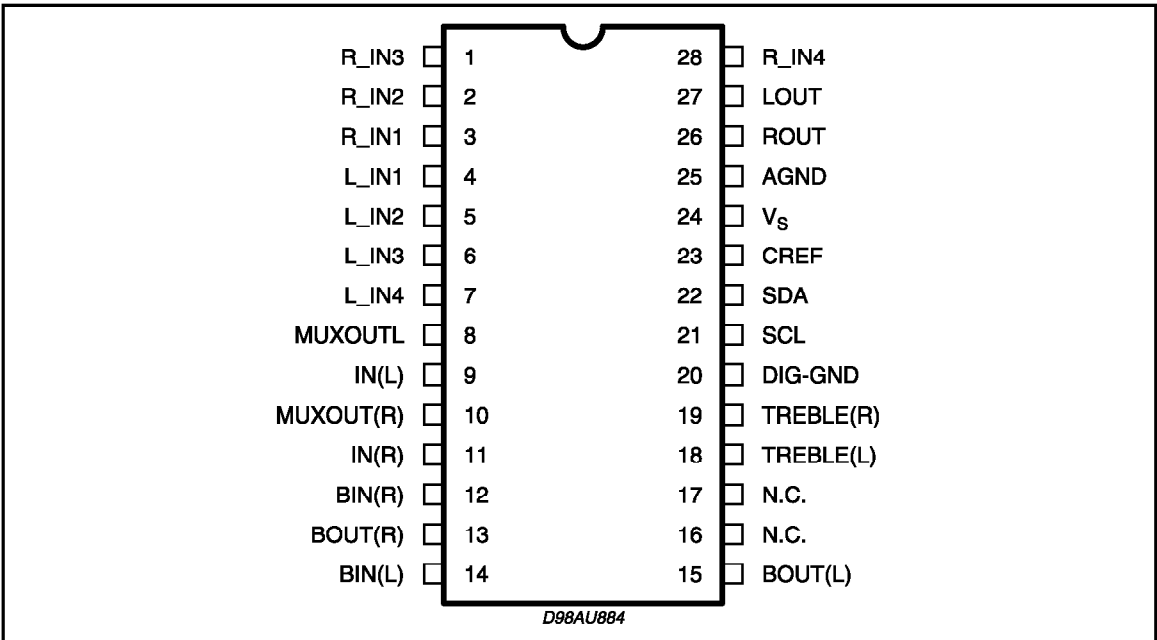


9-1-7. TDA7440D

BLOCK DIAGRAM



PIN CONNECTION (Top view)



9-2 DVD MPEG

9-2-1. ESS6028FW



PRELIMINARY

ES6008/18/28/38 DATA SHEET

ES60X8 PINOUT DIAGRAM

ES60X8 PINOUT DIAGRAM

The identical device pinouts for the ES6008, ES6018, ES6028 and ES6038 are shown in Figure

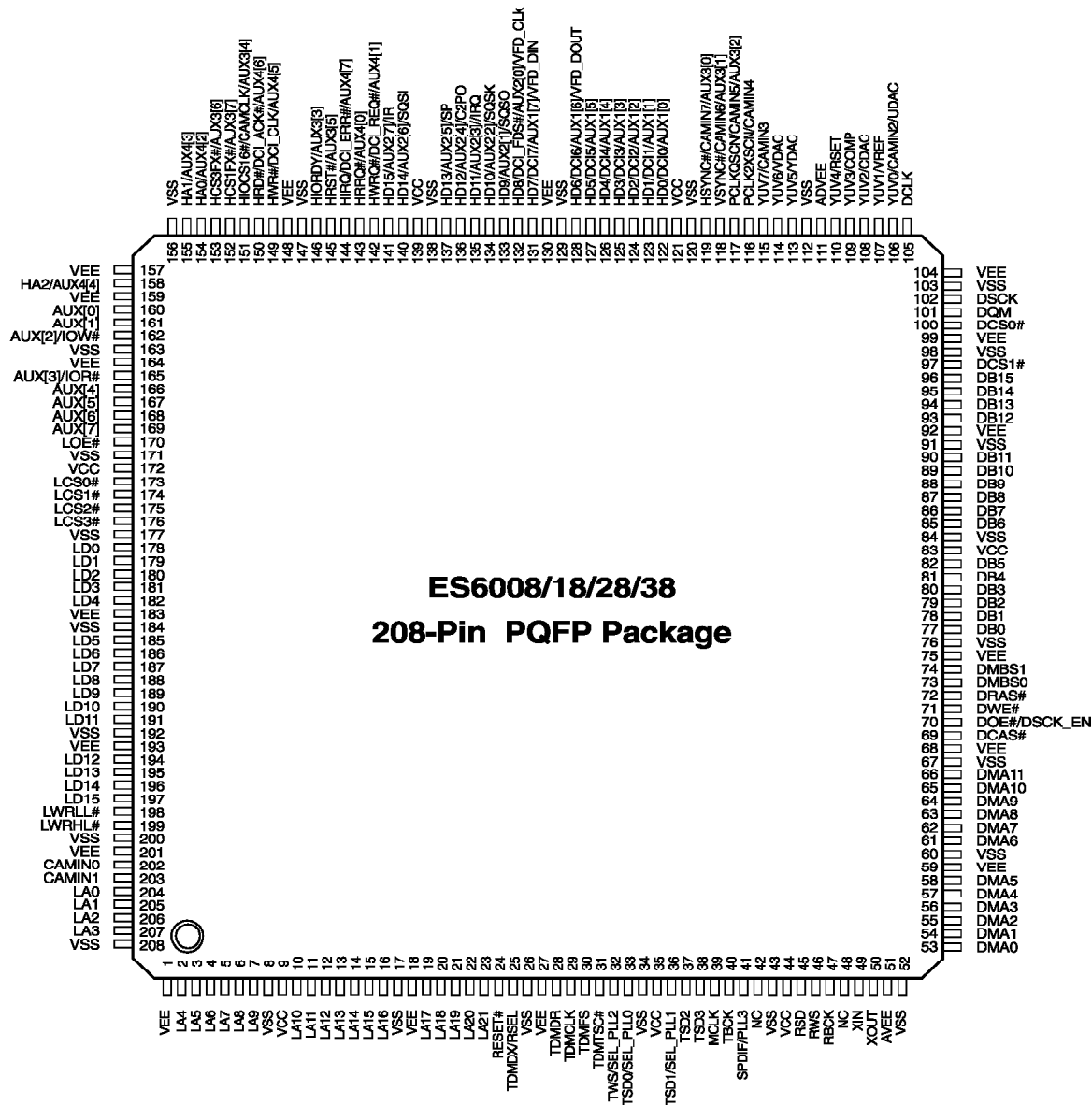


Figure ES60x8 Pinout

ES60X8 PIN DESCRIPTION

Table 1 lists the identical pin descriptions for the ES6008, ES6018, ES6028 and ES6038.

Table 1 ES60x8 Pin Description

Name	Number	I/O	Definition																																			
VEE	1,18, 27, 59, 68, 75, 92, 99, 104, 130, 148, 157, 159, 164, 183, 193, 201	I	I/O power supply.																																			
VSS	8, 17, 26, 34, 43, 52, 60, 67, 76, 84, 91, 98, 103, 112, 120, 129, 138, 147, 156, 163, 171, 177, 184, 192, 200, 208	I	Ground.																																			
LA[21:0]	23:19, 16:10, 7:2, 207:204	O	Device address output.																																			
VCC	9, 35, 44, 83, 121, 139, 172	I	Core power supply.																																			
RESET#	24	I	Reset input, active low.																																			
TDMDX	25	O	TDM transmit data.																																			
RSEL		I	ROM Select. <table><tr><th>RSEL</th><th>Selection</th></tr><tr><td>0</td><td>16-bit OM R</td></tr><tr><td>1</td><td>8-bit ROM</td></tr></table>	RSEL	Selection	0	16-bit OM R	1	8-bit ROM																													
RSEL	Selection																																					
0	16-bit OM R																																					
1	8-bit ROM																																					
TDMDR	28	I	TDM receive data.																																			
TDMCLK	29	I	TDM clock input.																																			
TDMFS	30	I	TDM frame sync.																																			
TDMTSC#	31	O	TDM output enable.																																			
TWS	32	O	Audio transmit frame sync.																																			
SEL_PLL2		I	System and DSCK output clock frequency selection is made at the rising edge of RESET#. The matrix below lists the available clock frequencies and their respective PLL bit settings. <table><tr><th>SEL_PLL2</th><th>SEL_PLL1</th><th>SEL_PLL0</th><th>Clock Type</th></tr><tr><td>0</td><td>0</td><td>0</td><td>VCO off.</td></tr><tr><td>0</td><td>0</td><td>1</td><td>DCLK</td></tr><tr><td>0</td><td>1</td><td>0</td><td>Bypass mode</td></tr><tr><td>0</td><td>1</td><td>1</td><td>DCLK x 2</td></tr><tr><td>1</td><td>0</td><td>0</td><td>DCLK x 4.5</td></tr><tr><td>1</td><td>0</td><td>1</td><td>DCLK x 3</td></tr><tr><td>1</td><td>1</td><td>0</td><td>DCLK x 3.5z</td></tr><tr><td>1</td><td>1</td><td>1</td><td>DCLK x 4</td></tr></table>	SEL_PLL2	SEL_PLL1	SEL_PLL0	Clock Type	0	0	0	VCO off.	0	0	1	DCLK	0	1	0	Bypass mode	0	1	1	DCLK x 2	1	0	0	DCLK x 4.5	1	0	1	DCLK x 3	1	1	0	DCLK x 3.5z	1	1	1
SEL_PLL2	SEL_PLL1	SEL_PLL0	Clock Type																																			
0	0	0	VCO off.																																			
0	0	1	DCLK																																			
0	1	0	Bypass mode																																			
0	1	1	DCLK x 2																																			
1	0	0	DCLK x 4.5																																			
1	0	1	DCLK x 3																																			
1	1	0	DCLK x 3.5z																																			
1	1	1	DCLK x 4																																			
TSD0	33	O	Audio transmit serial data port 0.																																			
SEL_PLL0		I	Refer to the description and matrix for SEL_PLL2 pin 32.																																			
TSD1	36	O	Audio transmit serial data port 1.																																			
SEL_PLL1		I	Refer to the description and matrix for SEL_PLL2 pin 32.																																			
TSD[2]	37	O	Audio transmit serial data output 2.																																			
TSD[3]	38	O	Audio transmit serial data output 3.																																			

Table 1 ES60x8 Pin Description (Continued)

Name	Number	I/O	Definition																								
MCLK	39	I/O	Audio master clock for audio DAC.																								
TBCK	40	O	Audio transmit bit clock.																								
SPDIF	41	O	S/PDIF output.																								
SEL_PLL3		I	Clock source select. <table><tr><th>SEL_PLL3</th><th>Clock Source</th></tr><tr><td>0</td><td>Crystal oscillator</td></tr><tr><td>1</td><td>DCLK input</td></tr></table>	SEL_PLL3	Clock Source	0	Crystal oscillator	1	DCLK input																		
SEL_PLL3	Clock Source																										
0	Crystal oscillator																										
1	DCLK input																										
NC	42, 48		No connect pins. Leave open.																								
RSD	45	I	Audio receive serial data.																								
RWS	46	I	Audio receive frame sync.																								
RBCK	47	I	Audio receive bit clock.																								
XIN	49	I	Crystal input.																								
XOUT	50	O	Crystal output.																								
AVEE	51	I	Analog power for PLL.																								
DMA[11:0]	66:61, 58:53	O	DRAM address bus [11:0].																								
DCAS#	69	O	DRAM column address strobe.																								
DOE#	70	O	DRAM output enable.																								
DSCK_EN		O	DRAM clock enable.																								
DWE#	71	O	DRAM write enable.																								
DRAS#	72	O	DRAM row address strobe.																								
DMBS0	73	O	SDRAM bank select 0.																								
DMBS1	74	O	SDRAM bank select 1.																								
DB[15:0]	96:93, 90:85, 82:77	I/O	DRAM data bus [15:0].																								
DCS[1:0]#	97,100	O	SDRAM chip select [1:0].																								
DQM	101	O	Data input/output mask.																								
DSCK	102	O	Output clock to SDRAM.																								
DCLK	105	I	27 MHz clock input to PLL.																								
YUV0	106	O	YUV0 pixel output data.																								
CAMIN2		I	Camera input 2.																								
UDAC		O	Video DAC output. <table><tr><th>Mode</th><th>YDAC</th><th>UDAC</th><th>VDAC</th><th>CDAC</th></tr><tr><td>A</td><td>Y</td><td>C</td><td>Composite</td><td>C</td></tr><tr><td>B</td><td>Y</td><td>Composite</td><td>Composite</td><td>C</td></tr><tr><td>C</td><td>Y</td><td>U</td><td>Composite</td><td>V</td></tr><tr><td>D</td><td>Y</td><td>U</td><td>C</td><td>V</td></tr></table> Y: Luma component for YUV and Y/C processing. C: Chrominance signal for Y/C processing. U: Chrominance component signal for YUV mode. V: Chrominance component signal for YUV mode.	Mode	YDAC	UDAC	VDAC	CDAC	A	Y	C	Composite	C	B	Y	Composite	Composite	C	C	Y	U	Composite	V	D	Y	U	C
Mode	YDAC	UDAC	VDAC	CDAC																							
A	Y	C	Composite	C																							
B	Y	Composite	Composite	C																							
C	Y	U	Composite	V																							
D	Y	U	C	V																							

Table 1 ES60x8 Pin Description (Continued)

Name	Number	I/O	Definition
YUV1	107	O	YUV1 pixel output data.
VREF		I	Internal voltage reference to video DAC. Bypass to ground with 0.1 μ F capacitor.
YUV2	108	O	YUV2 pixel output data.
CDAC		O	Video DAC output. Refer to description and matrix for UDAC pin 106.
YUV3	109	O	YUV3 pixel output data.
COMP		I	Compensation input. Bypass to ADVEE with 0.1 μ F capacitor.
YUV4	110	O	YUV4 pixel output data.
RSET		I	DAC current adjustment resistor input.
ADVEE	111	I	Analog power for video DAC.
YUV5	113	O	YUV5 pixel output data.
YDAC		O	Video DAC output. Refer to description and matrix for UDAC pin 106.
YUV6	114	O	YUV6 pixel output data.
VDAC		O	Video DAC output. Refer to description and matrix for UDAC pin 106.
YUV7	115	O	YUV7 pixel output data.
CAMIN3		I	Camera YUV 3.
PCLK2XSCN	116	I/O	27-MHz video output pixel clock.
CAMIN4		I	Camera YUV 4.
PCLKQSCN	117	O	13.5-MHz video output pixel clock.
CAMIN5		I	Camera YUV 5.
VSYNC#	118	I/O	Vertical sync, active low.
CAMIN6		I	Camera YUV 6.
HSYNC#	119	I/O	Horizontal sync, active low.
CAMIN7		I	Camera YUV 7.
HD[5:0]	127:122	I/O	Host data I/O [5:0].
DCI[5:0]		I/O	DVD channel data I/O [5:0].
AUX1[5:0]		I/O	Aux1 data I/O [5:0].
HD[6]	128	I/O	Host data I/O [6].
DCI[6]		I/O	DVD channel data I/O [6].
AUX1[6]		I/O	Aux1 data I/O [6].
VFD_DOUT		I	VFD data output.
HD[7]	131	I/O	Host data I/O [7].
DCI[7]		I/O	DVD channel data I/O [7].
AUX1[7]		I/O	Aux1 data I/O [7:0].
VFD_DIN		I	VFD data input.
HD[8]	132	I/O	Host data bus 8.
DCI_FDS#		I/O	DVD input sector start.
AUX2[0]		I/O	Aux2 data I/O 0.
VFD_CLK		I	VFD clock input.
HD[9]	133	I/O	Host data bus line 9.
AUX2[1]		I/O	Aux2 data I/O [1] when selected.
SQSQ		I	Subcode-Q data.
HD[10]	134	I/O	Host data bus line 10.
AUX2[2]		I/O	Aux2 data I/O [2] when selected.
SQSK		I	Subcode-Q clock.

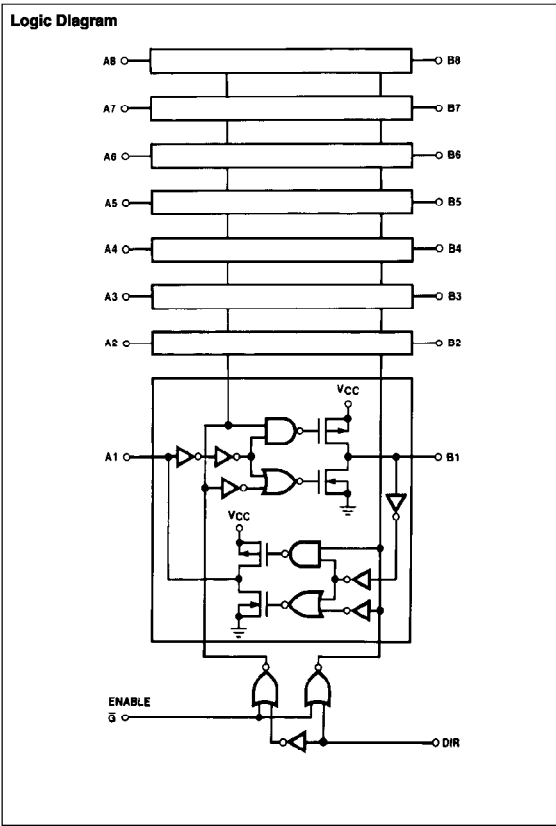
Table 1 ES60x8 Pin Description (Continued)

Name	Number	I/O	Definition
HD[11]	135	I/O	Host data bus line11.
AUX2[3]		I/O	Aux2 data I/O [3] when selected.
IRQ		O	IRQ output.
HD[12]	136	I/O	Host data bus line12.
AUX2[4]		I/O	Aux2 data I/O [4] when selected.
C2PO		I	C2PO error correction flag from CD-ROM.
HD[13]	137	I/O	Host data bus line13.
AUX2[5]		I/O	Aux2 data I/O [5] when selected.
SP		I	16550 UART serial port input.
HD[14]	140	I/O	Host data bus line14.
AUX2[6]		I/O	Aux2 data I/O [6] when selected.
SQSI		I	Subcode-Q sync.
HD[15]	141	I/O	Host data bus line15.
AUX2[7]		I/O	Aux2 data I/O [7] when selected.
IR		I	IR remote control input.
HWRQ#	142	O	Host write request.
DCI_REQ#		O	DVD control interface request.
AUX4[1]		I/O	Aux4 data I/O 1.
HRRQ#	143	O	Host read request.
AUX4[0]		I/O	Aux4 data I/O 0.
HIRQ	144	I/O	Host interrupt.
DCI_ERR#		I/O	DVD channel data error.
AUX4[7]		I/O	Aux4 data I/O 7.
HRST#	145	O	Host reset.
AUX3[5]		I/O	Aux3 data I/O 5.
HIORDY	146	I	Host I/O ready.
AUX3[3]		I/O	Aux3 data I/O 3.
HWR#	149	I/O	Host write.
DCI_CLK		I/O	DVD channel data clock.
AUX4[5]		I/O	Aux4 data I/O 5.
HRD#	150	O	Host read.
DCI_ACK#		O	DVD channel data valid.
AUX4[6]		I/O	Aux4 data I/O 6.
HIOCS16#	151	I	Device 16-bit data transfer.
CAMCLK		I	Camera port pixel clock input.
AUX3[4]		I/O	Aux3 data I/O 4.
HCS1FX#	152	O	Host select 1.
AUX3[7]		I/O	Aux3 data I/O 7.
HCS3FX#	153	O	Host select 3.
AUX3[6]		I/O	Aux3 data I/O 6.
HA[2:0]	158, 155:154	I/O	Host address bus.
AUX4[4:2]		I/O	Aux4 data I/Os [4:2].
AUX[1:0]	160	I/O	Auxiliary ports 1:0.

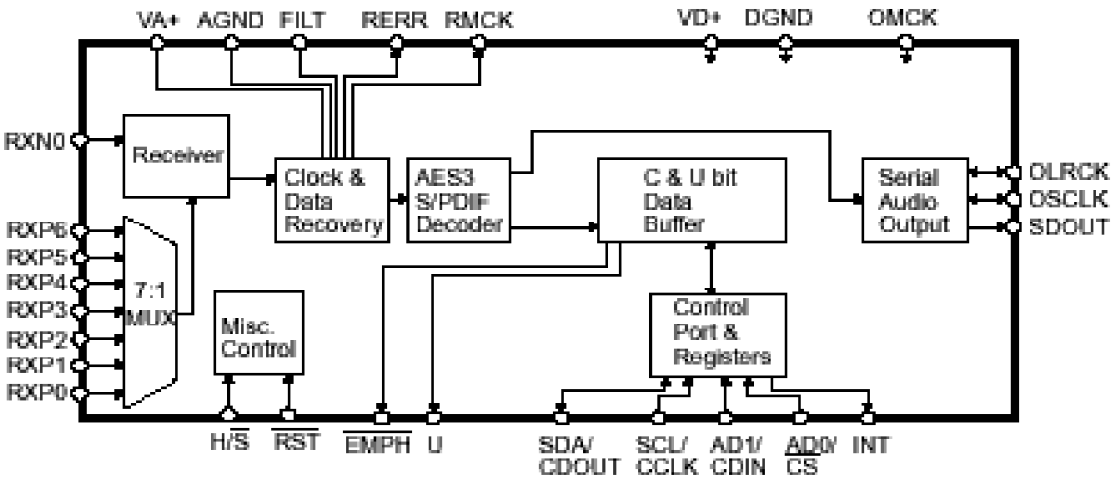
Table 1 ES60x8 Pin Description (Continued)

Name	Number	I/O	Definition
AUX[2]	162	I/O	Auxiliary port 2.
IOW#		O	I/O Write strobe.
AUX[3]	165	I/O	Auxiliary port 3.
IOR#		O	I/O Read strobe.
AUX[7:3]	169:166	I/O	Auxiliary ports 7:3.
LOE#	170	O	Device output enable.
LCS[3:0]#	176:173	O	Chip select [3:0].
LD[15:0]	197:194, 191:185, 182:178	I/O	EPROM device data bus.
LWRLL#	198	O	Device low-byte write enable.
LWRHL#	199	O	Device high-byte write enable.
CAMIN0	202	I	Camera YUV 0.
CAMIN1	203	I	Camera YUV 1.

9-2-2. 74HCT245



9-2-3. CS8415



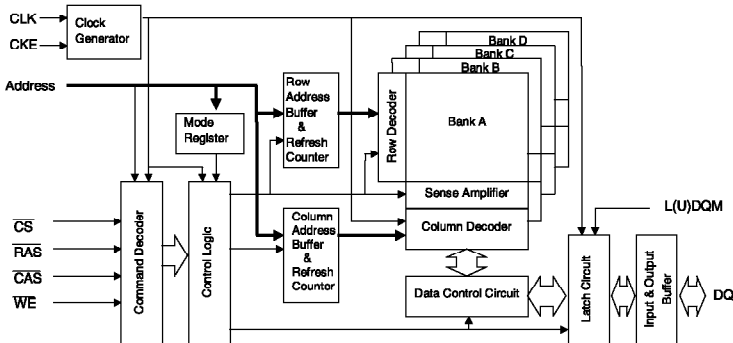
9-2-4. ESMT_M12L64164A

PIN ASSIGNMENT

Top View

VDD	1	54	VSS
DQ0	2	53	DQ15
VDDQ	3	52	VSSQ
DQ1	4	51	DQ14
DQ2	5	50	DQ13
VSSQ	6	49	VDDQ
DQ3	7	48	DQ12
DQ4	8	47	DQ11
VDDQ	9	46	VSSQ
DQ5	10	45	DQ10
DQ6	11	44	DQ9
VSSQ	12	43	VDDQ
DQ7	13	42	DQ8
VDD	14	41	VSS
LDQM	15	40	NC
WE	16	39	UDQM
CAS	17	38	CLK
RAS	18	37	CKE
CS	19	36	NC
A13	20	35	A11
A16	21	34	A9
A10/AP	22	33	A8
A0	23	32	A7
A1	24	31	A6
A2	25	30	A5
A3	26	29	A4
VDD	27	28	VSS

FUNCTIONAL BLOCK DIAGRAM

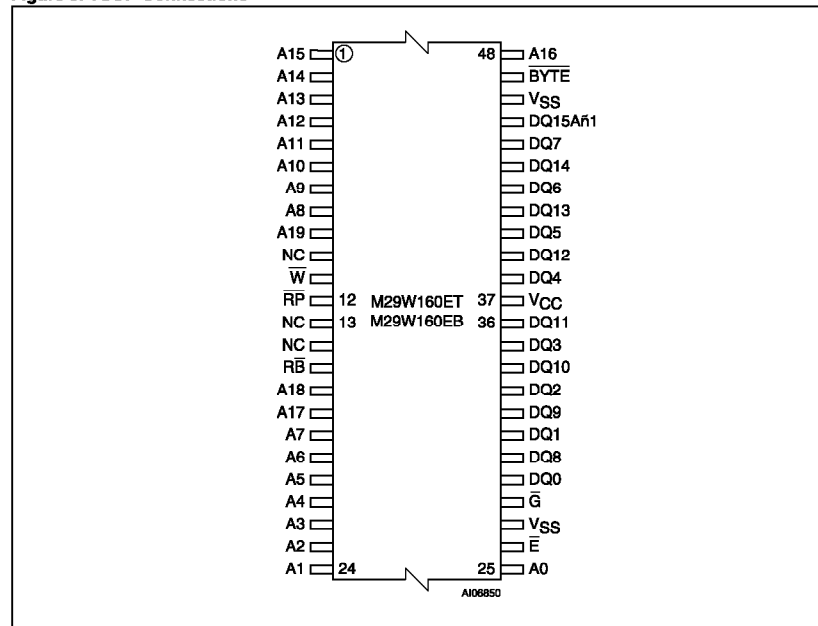


PIN FUNCTION DESCRIPTION

PIN	NAME	INPUT FUNCTION
CLK	System Clock	Active on the positive going edge to sample all inputs
CS	Chip Select	Disables or enables device operation by masking or enabling all inputs except CLK, CKE and L(U)DQM
CKE	Clock Enable	Masks system clock to freeze operation from the next clock cycle. CKE should be enabled at least one cycle prior new command. Disable input buffers for power down in standby.
A0 ~ A11	Address	Row / column address are multiplexed on the same pins. Row address : RA0~RA11, column address : CA0~CA7
A12, A13	Bank Select Address	Selects bank to be activated during row address latch time. Selects bank for read / write during column address latch time.
RAS	Row Address Strobe	Latches row addresses on the positive going edge of the CLK with RAS low. Enables row access & precharge.
CAS	Column Address Strobe	Latches column address on the positive going edge of the CLK with CAS low. Enables column access.
WE	Write Enable	Enables write operation and row precharge. Latches data in starting from CAS, WE active.
L(U)DQM	Data Input / Output Mask	Makes data output Hi-Z, tshz after the clock and masks the output. Blocks data input when L(U)DQM active.
DQ0 ~ DQ15	Data Input / Output	Data inputs / outputs are multiplexed on the same pins.
VDD / VSS	Power Supply / Ground	Power and ground for the input buffers and the core logic.
VDDQ / VSSQ	Data Output Power / Ground	Isolated power supply and ground for the output buffers to provide improved noise immunity.
NC	No Connection	This pin is recommended to be left No Connection on the device.

9-2-5. M29W160E

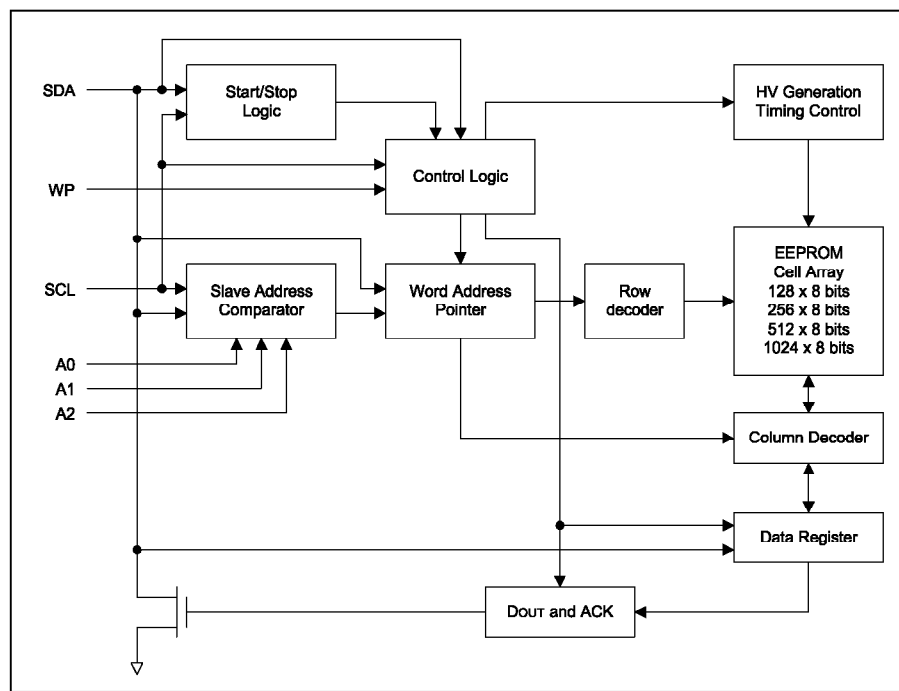
Figure 3. TSOP Connections



9-2-6. S524C20D21_20D41

S524C20D11/20D21/80D41/80D81 SERIAL EEPROM

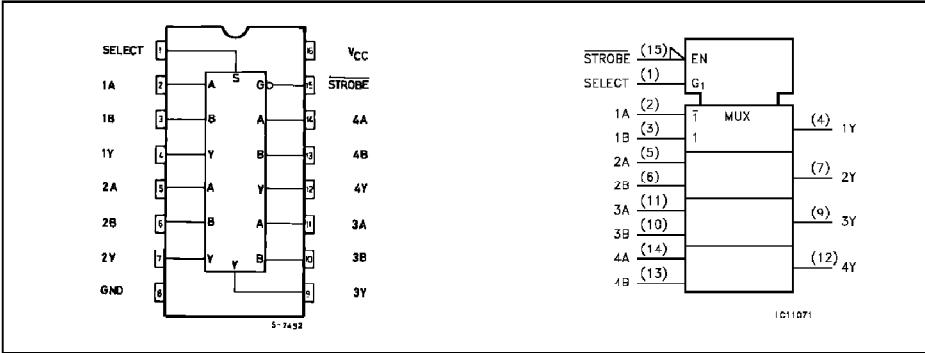
DATA SHEET



S524C20D11/20D21/80D41/80D81 Block Diagram

9-2-7. STM_74LCX157

PIN CONNECTION AND IEC LOGIC SYMBOLS

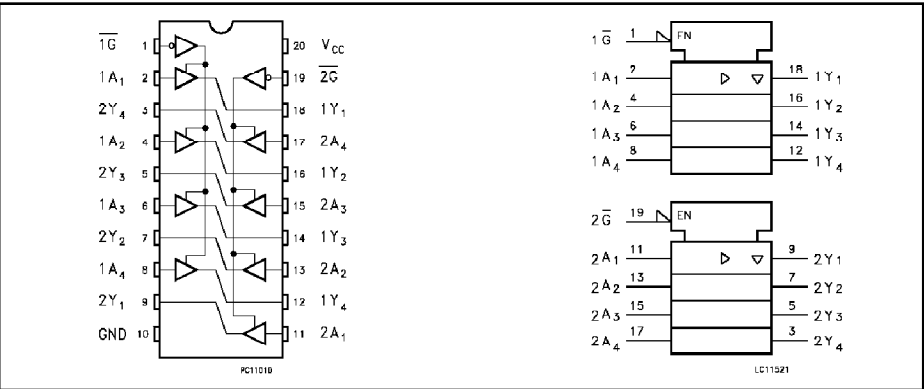


PIN DESCRIPTION

PIN No	SYMBOL	NAME AND FUNCTION
1	SELECT	Common Data Select Inputs
2, 5, 11, 14	1A to 4A	Data Inputs From Source A
3, 6, 10, 13	1B to 4B	Data Inputs From Source B
4, 7, 9, 12	1Y to 4Y	Multiplexer Outputs
15	STROBE	Strobe Input
8	GND	Ground (0V)
16	V _{CC}	Positive Supply Voltage

9-2-8. STM_74LCX244

PIN CONNECTION AND IEC LOGIC SYMBOLS



PIN DESCRIPTION

PIN No	SYMBOL	NAME AND FUNCTION
1	1G	Output Enable Input
2, 4, 6, 8	1A1 to 1A4	Data Inputs
9, 7, 5, 3	2Y1 to 2Y4	Data Outputs
11, 13, 15, 17	2A1 to 2A4	Data Inputs
18, 16, 14, 12	1Y1 to 1Y4	Data Outputs
19	2G	Output Enable Input
10	GND	Ground (0V)
20	V _{CC}	Positive Supply Voltage

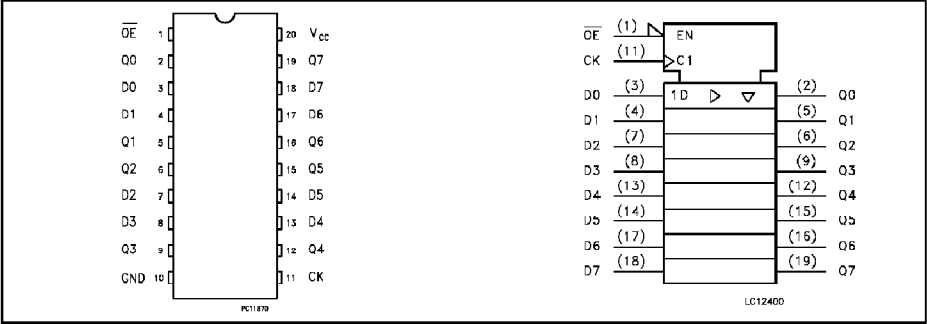
TRUTH TABLE

INPUT		OUTPUT
G	A _n	Y _n
L	L	L
L	H	H
H	X	Z

X : Don't Care
Z : High Impedance

9-2-9. STM_74LCX374

PIN CONNECTION AND IEC LOGIC SYMBOLS



PIN DESCRIPTION

PIN No	SYMBOL	NAME AND FUNCTION
1	OE	3 State Out put Enable Input (Active LOW)
2, 5, 6, 9, 12, 15, 16, 19	Q0 to Q7	3-State Outputs
3, 4, 7, 8, 13, 14, 17, 18	D0 to D7	Data Inputs
11	CK	Clock Input (LOW to HIGH, edge triggered)
10	GND	Groun d (0V)
20	V _{CC}	Positi ve Supply Voltage

TRUTH TABLE

INPUT			OUTPUT
OE	CK	D	Q
H	X	X	Z
L		X	NO CHANGE
L		L	L
L		H	H

X : Don't Care
Z : High Impedance

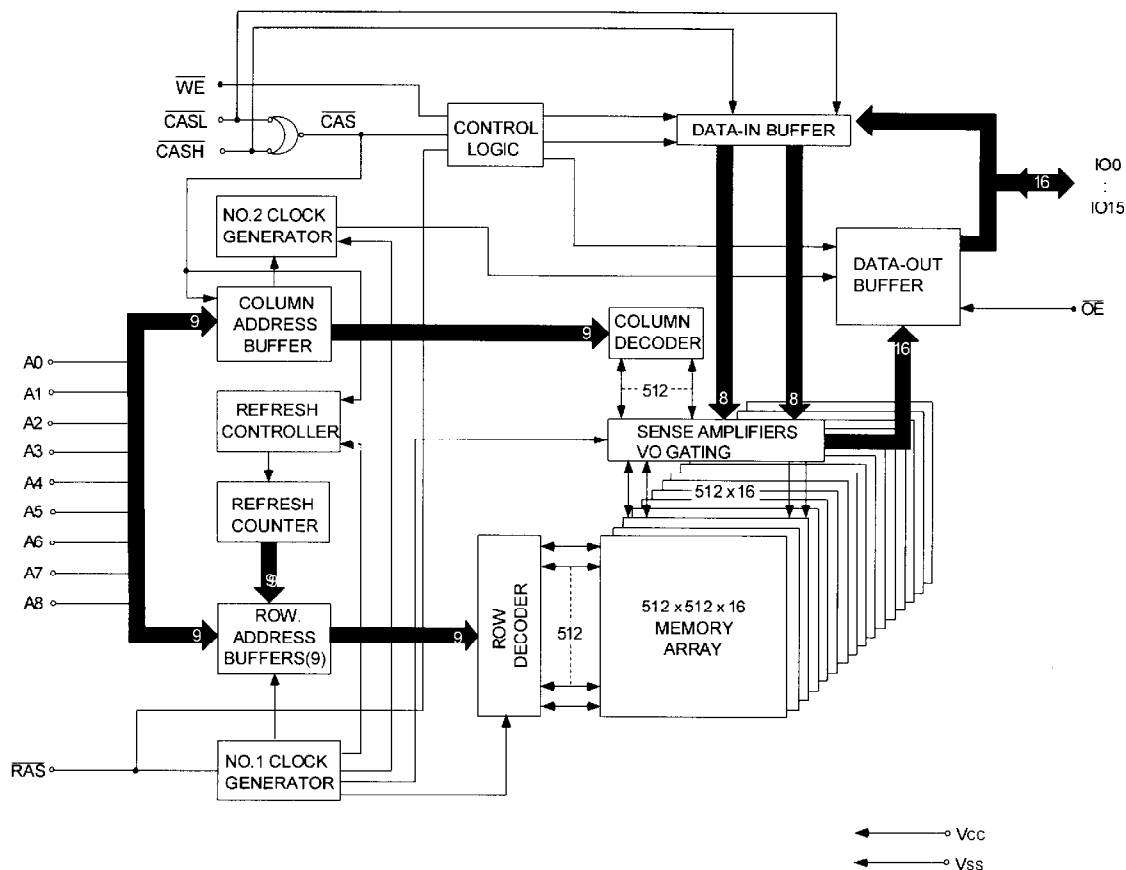
9-3 DVD SERVO

9-3-1. M11B416256A

EliteMT

Preliminary M11B416256A

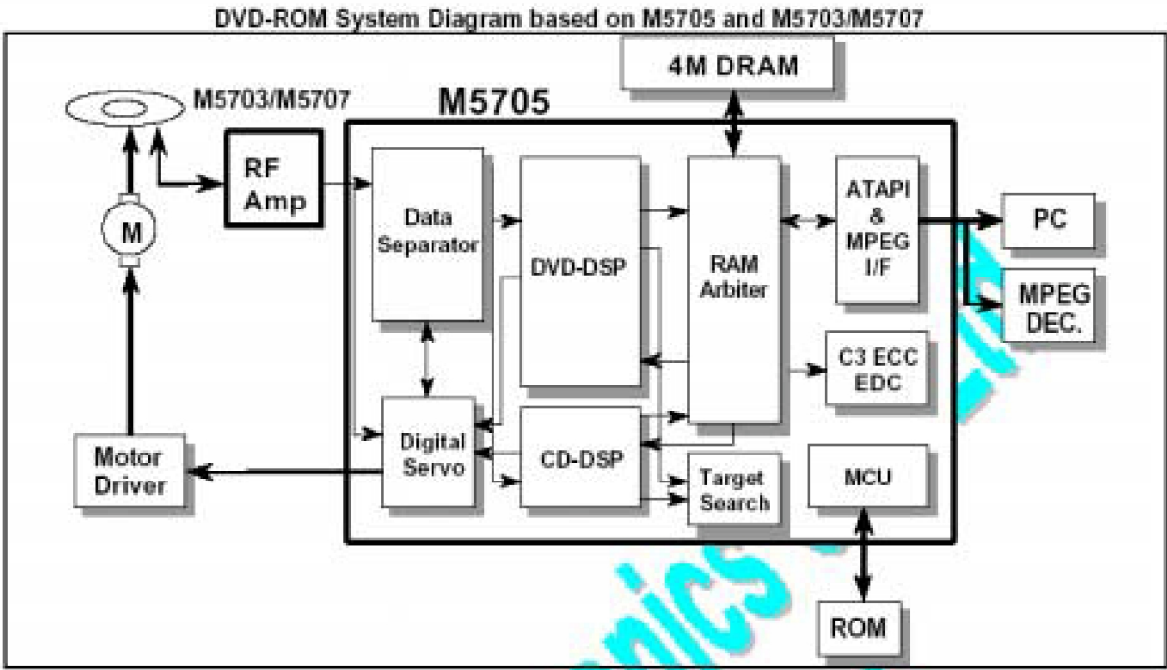
FUNCTIONAL BLOCK DIAGRAM



PIN DESCRIPTIONS

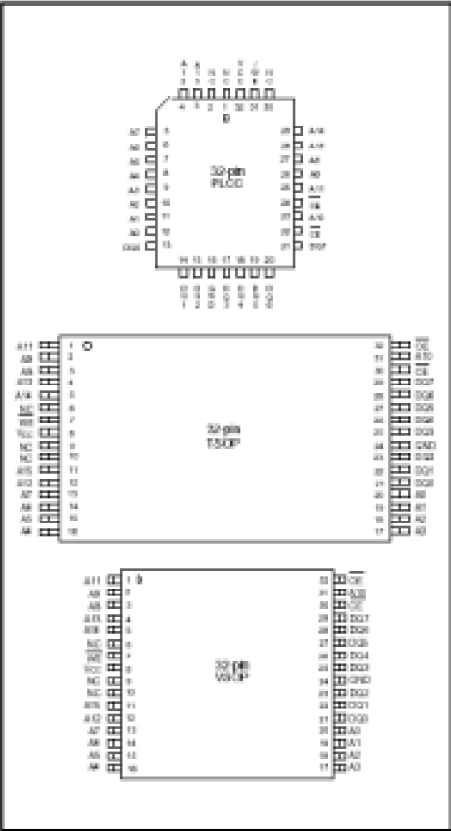
PIN NO.	SYM.	TYPE	DESCRIPTION
16~19,22~26	A0~A8	Input	Address Input
14	$\overline{\text{RAS}}$	Input	Row Address Strobe
28	$\overline{\text{CASH}}$	Input	Column Address Strobe/Upper Byte Control
29	$\overline{\text{CASL}}$	Input	Column Address Strobe/Lower Byte Control
13	$\overline{\text{WE}}$	Input	Write Enable
27	$\overline{\text{OE}}$	Input	Output Enable
2~5,7~10,31~34,36~39	I/O0 ~ I/O15	Input/Output	Data Input/Output
1,6,20	Vcc	Supply	Power, 5V
21,35,40	Vss	Ground	Ground
11,12,15,30	NC	-	No Connect

9-3-2. M5705

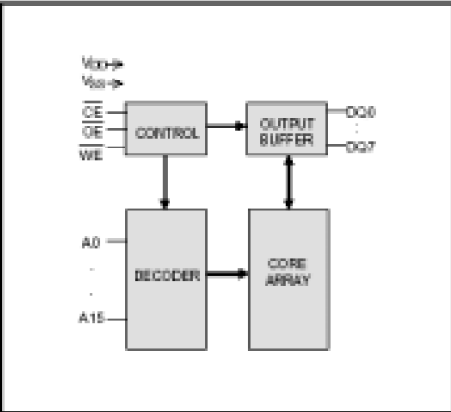


9-3-3. W29EE512F1

PIN CONFIGURATIONS



BLOCK DIAGRAM



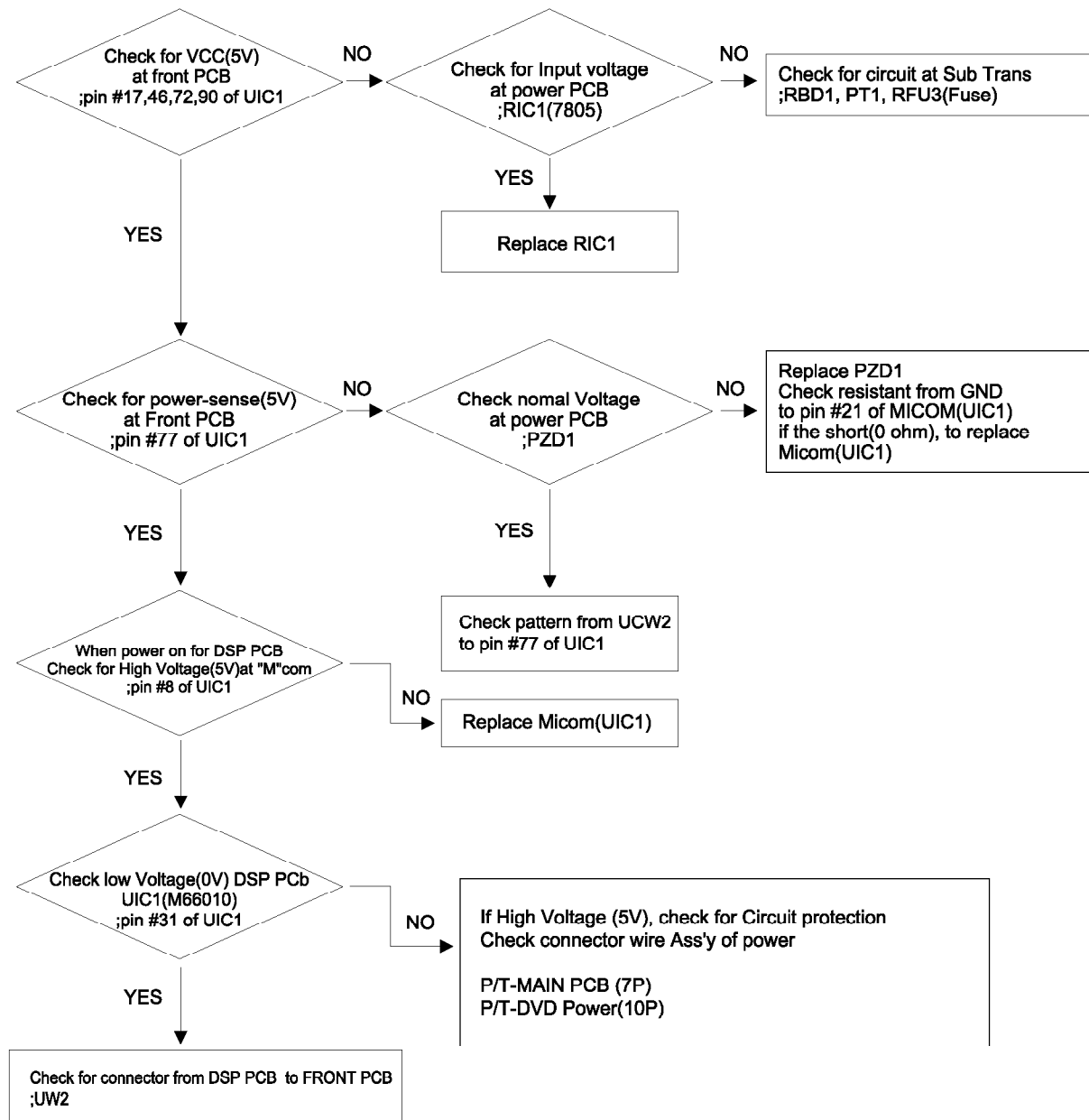
PIN DESCRIPTION

SYMBOL	PIN NAME
A0-A15	Address Inputs
DQ0-DQ7	Data Inputs/Outputs
CE	Chip Enable
OE	Output Enable
WE	Write Enable
VCC	Power Supply
GND	Ground
NC	No Connection

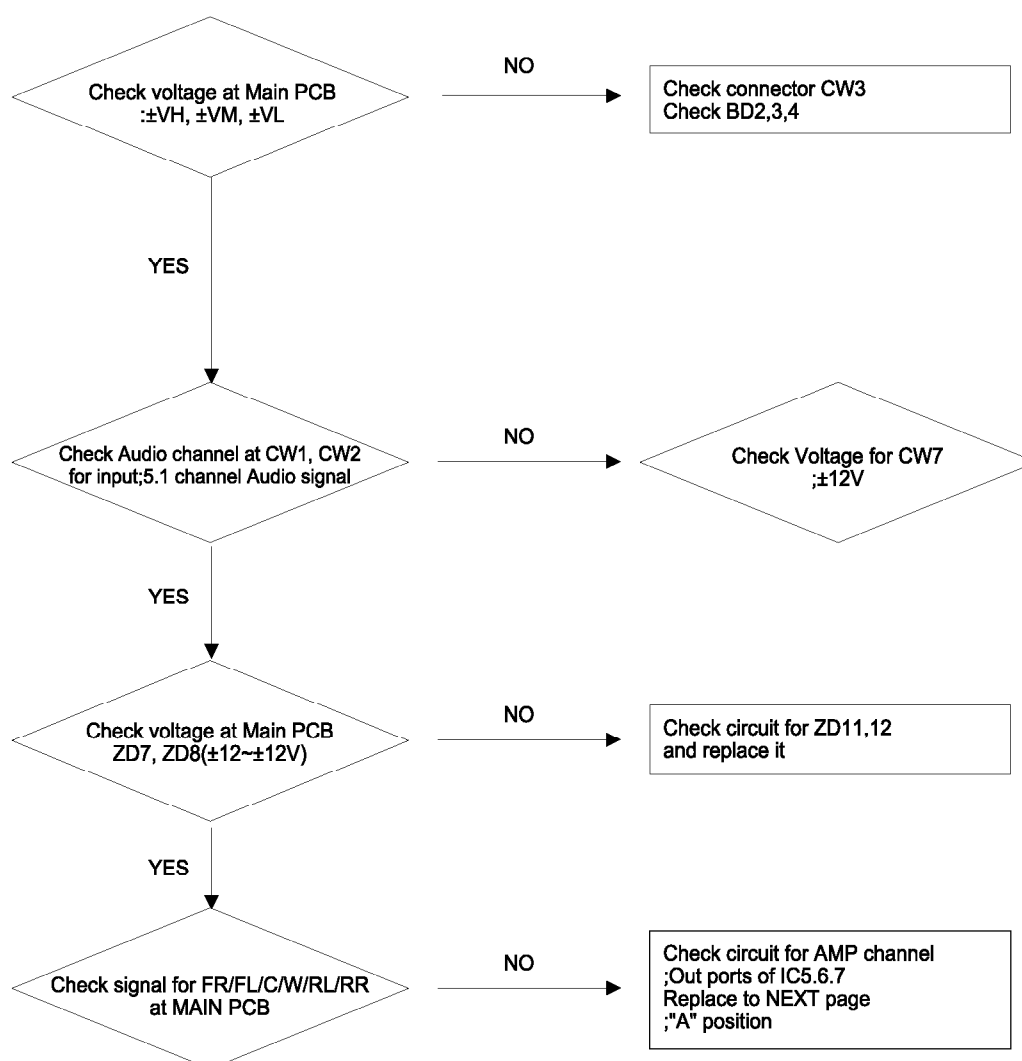
10. TroubleShooting

10-1 Main

1.POWER

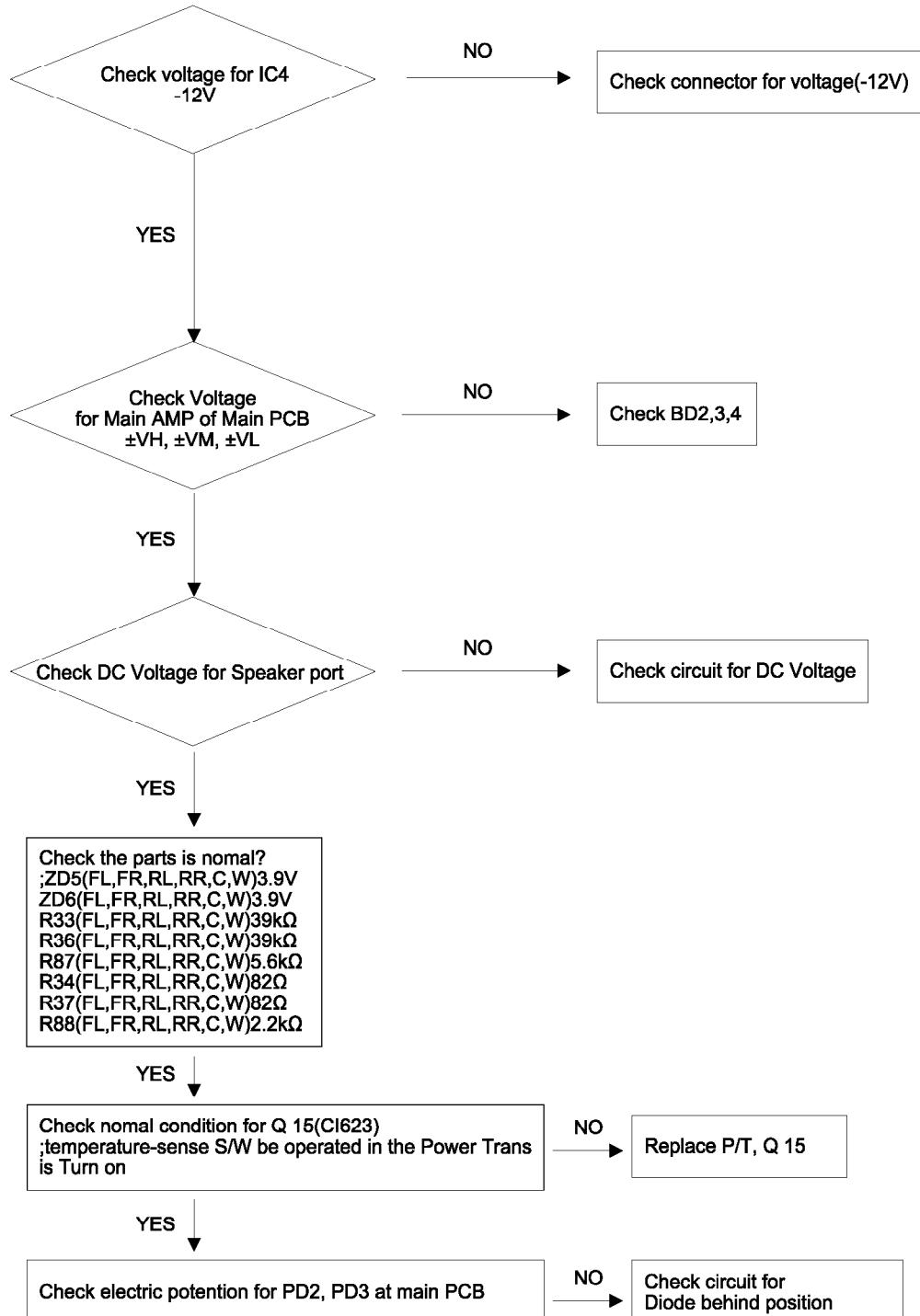


2.OUTPUT

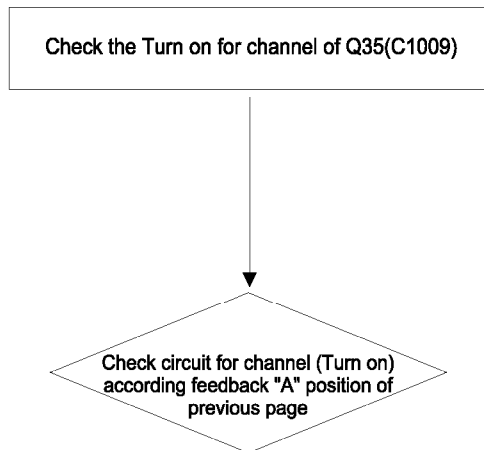


3. Protection(When High Voltage at Protection port)

3-1 In this case "LOW" for, Base port of Q 12(R2003 TR)at MAIN PCB



3-2 In this case “LOW” for Base of Q 13(A733)at Main PCB



3-3 Check the Connector Wire Ass'y Connection of each PCB

- ;DVD MECHA-Main PCB (8P, PW4)
- ;POWER TRANS-Main PCB (CW3)
- ;POWER TRANS-Main PCB (PW2)
- ;POWER TRANS-Main PCB (PW1)

10-2 DVD Servo Parts

1. Initial operation after power ON

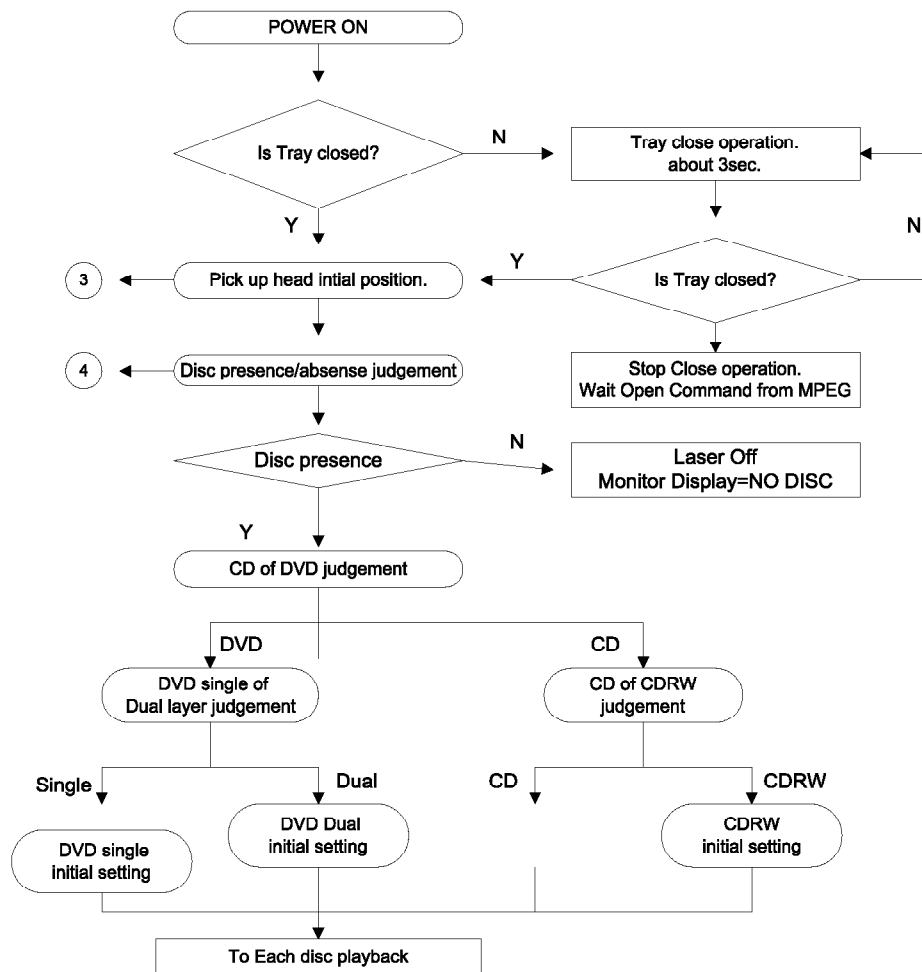


Fig. 1-1

DVD single (single-layer) disc
Detetion waveform

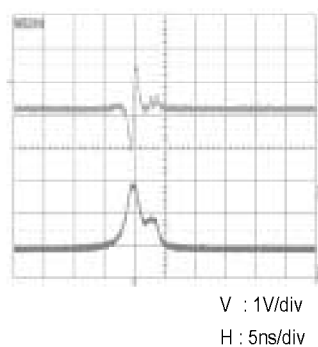


Fig. 1-2

DVD dual (dual-layer) disc
Detetion waveform

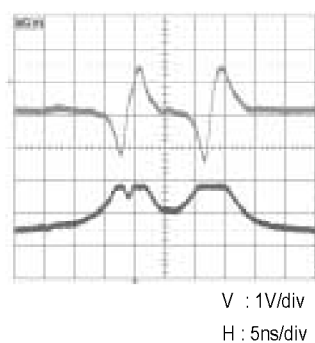


Fig. 1-3

CD disc
Detetion waveform

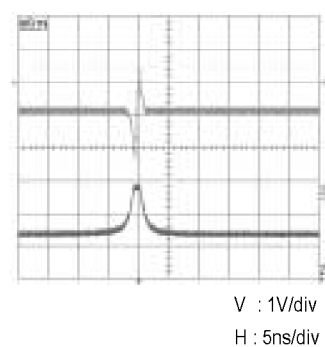
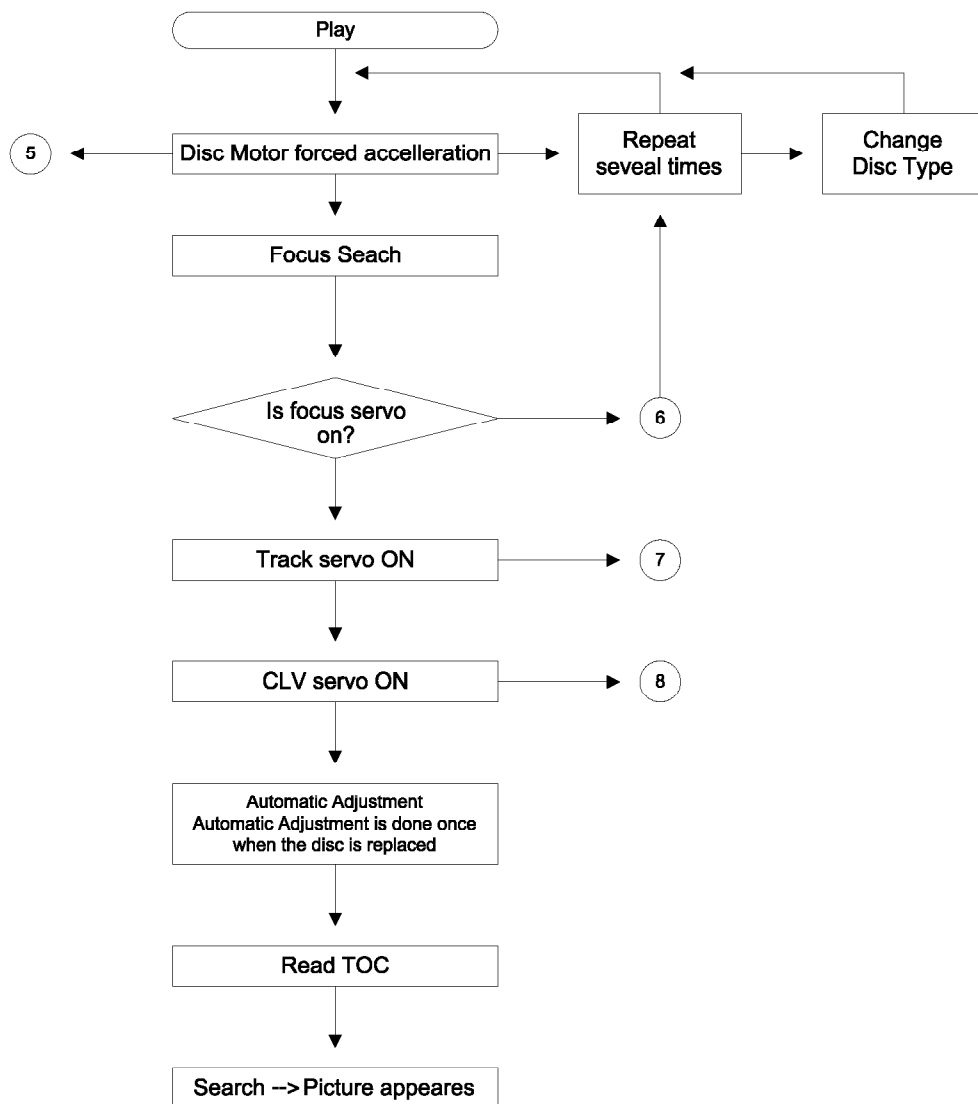


Fig. 1-4

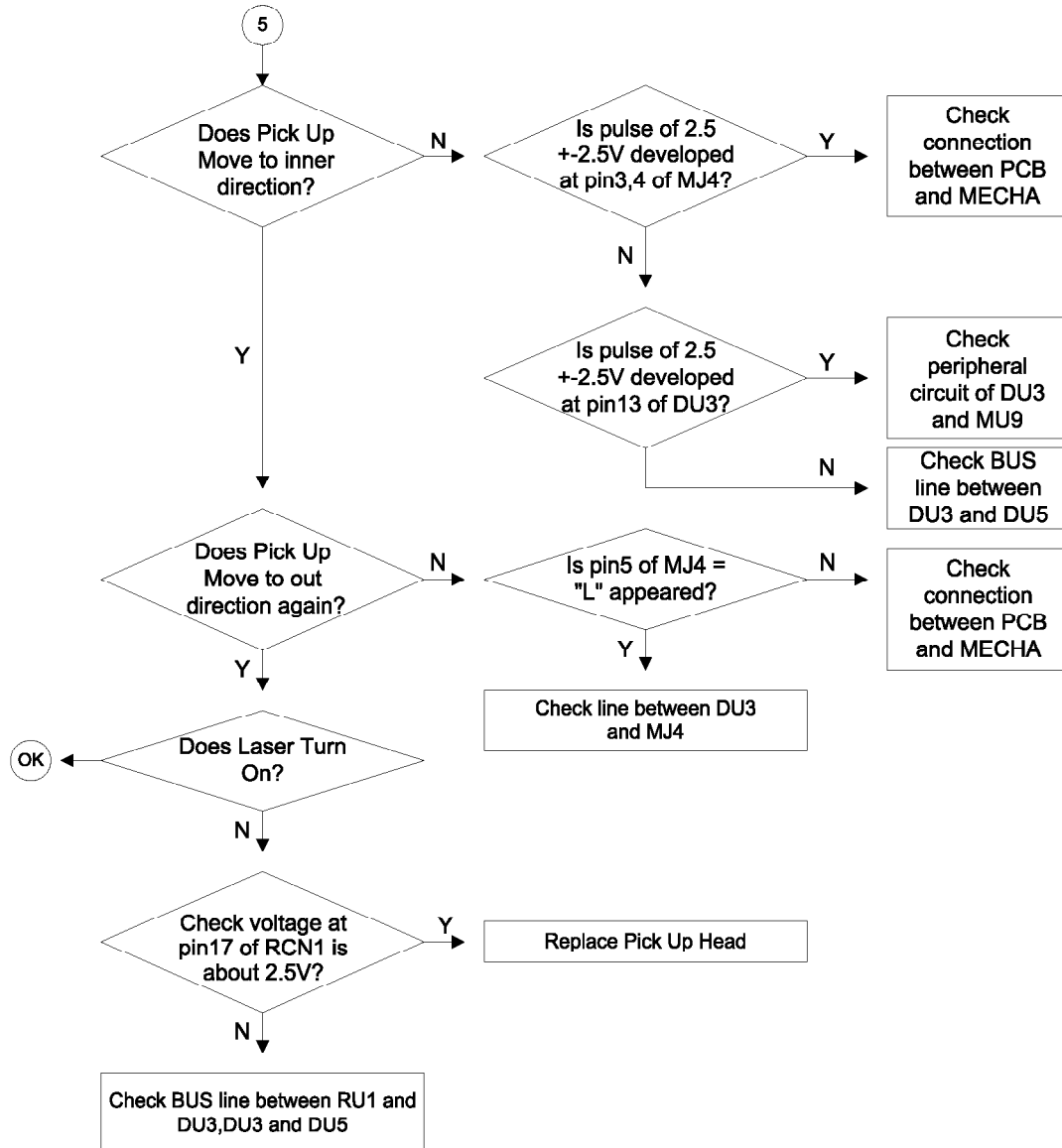
2. Play operation



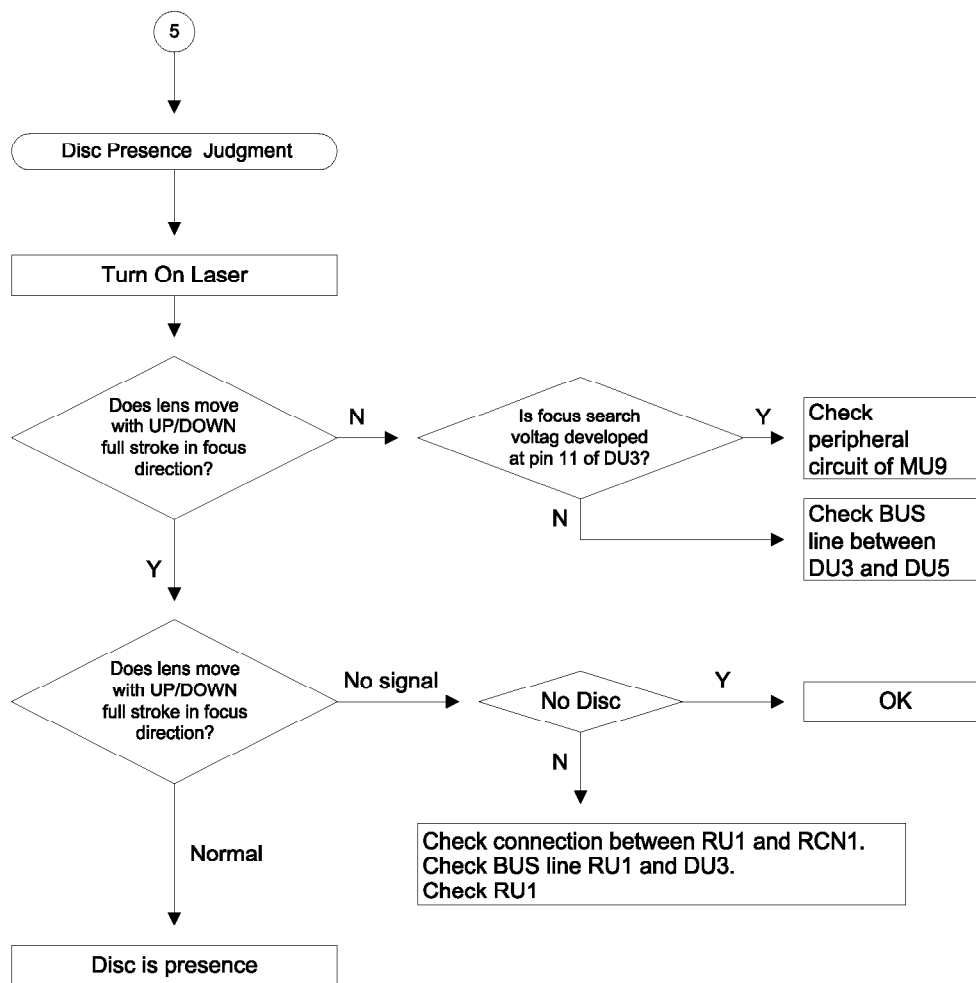
3. PickUp Head Initial Postion

PickUp Head Initial Postion

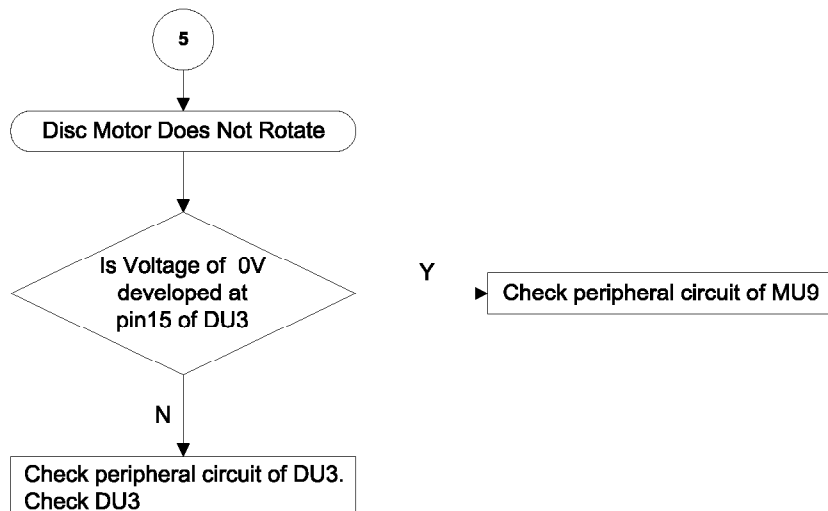
1. Move Pick Up Head to inner diretion until pin5 of MJ4="L"
2. If pin5 of MJ4="L", then move Pick Up Head to outer diretion for a short time.
3. Ture On the Laser of Pick Up Head to judge that disc is presence or not.



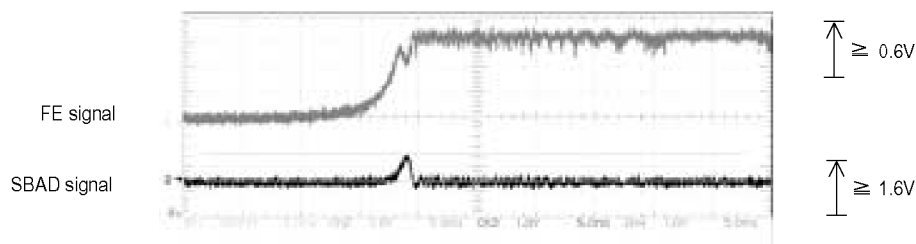
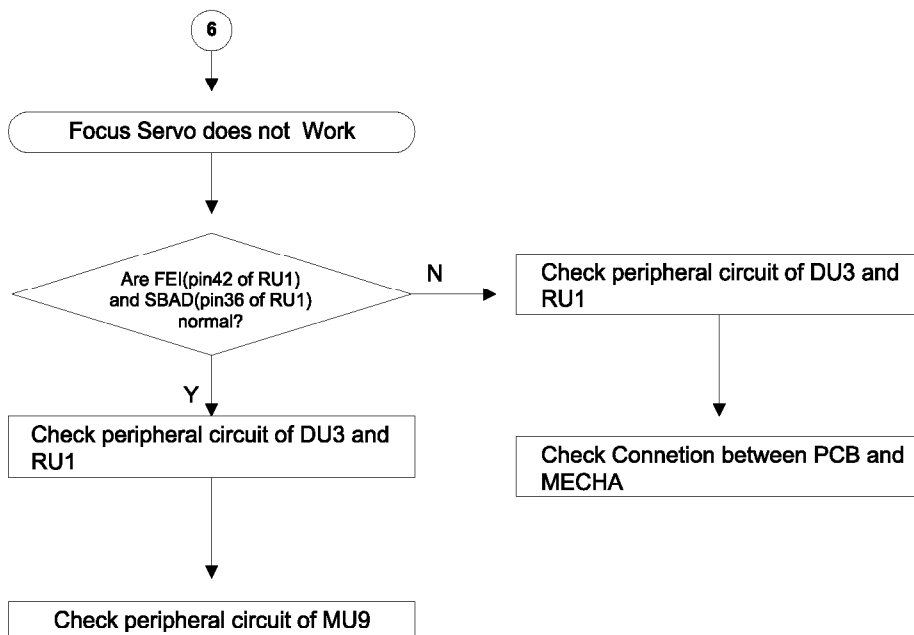
4. Disc Presence/Absence Judgment



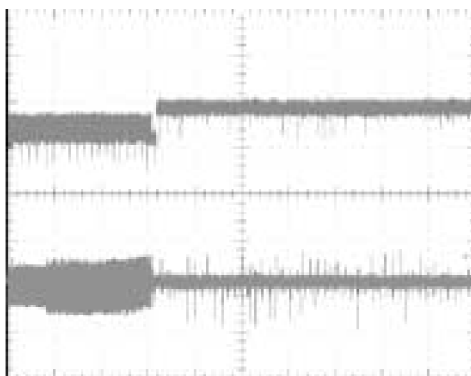
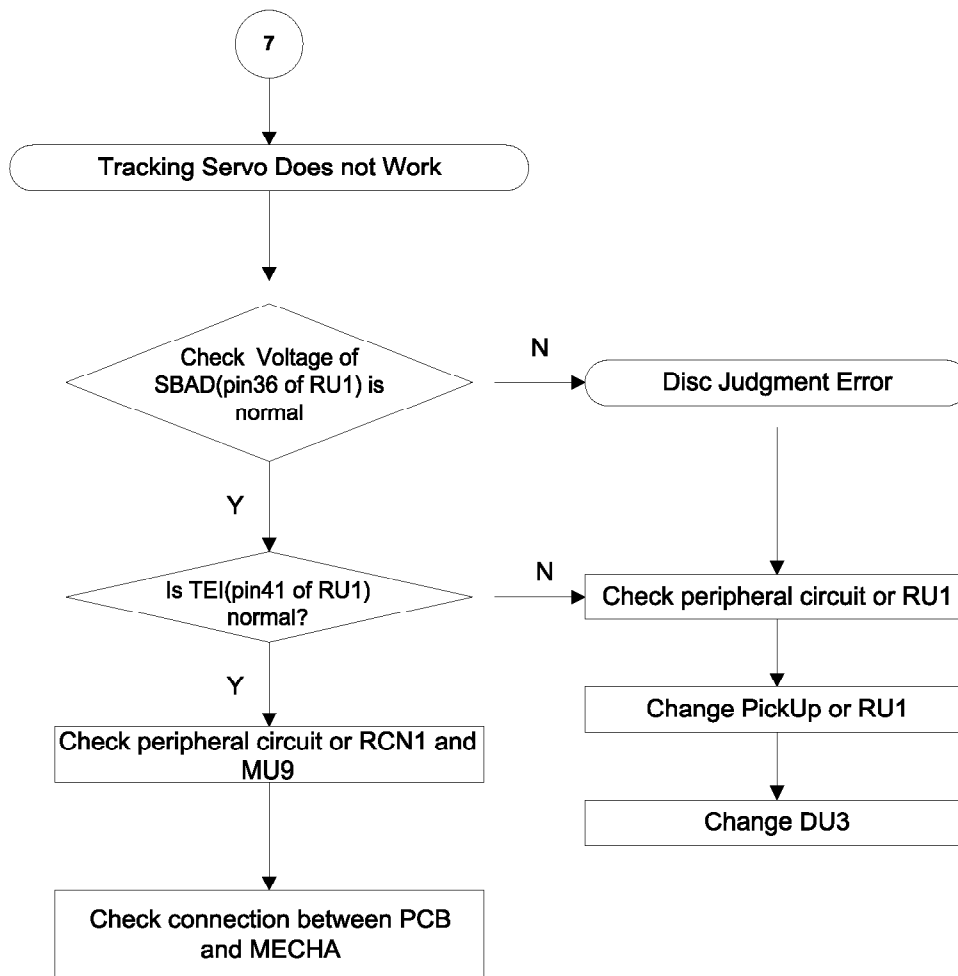
5. Disc Motor Does Not Rotate



6. Focus Servo does not Work

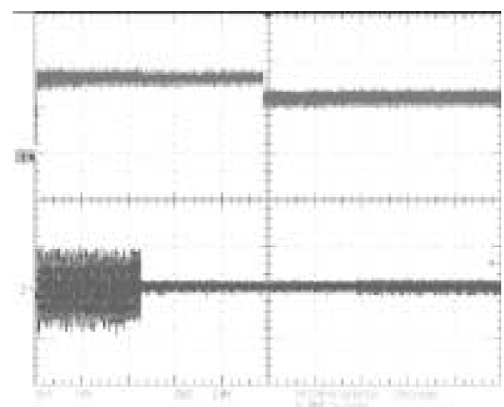


7. Tracking Servo Does Not Work

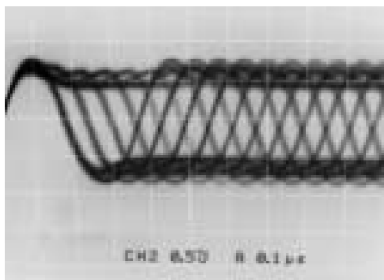
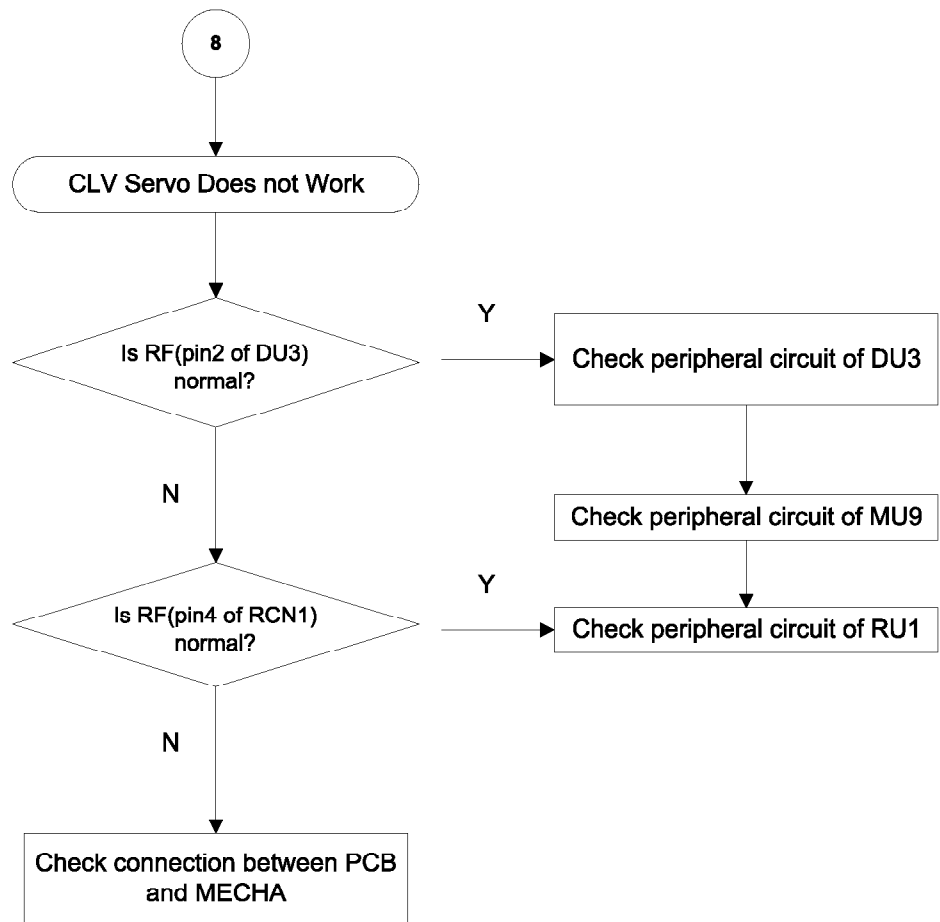


TE signal

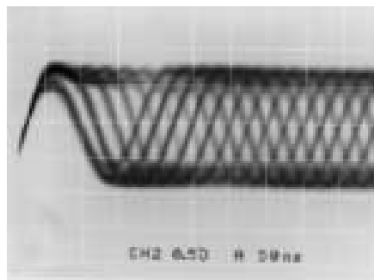
RFRP signal



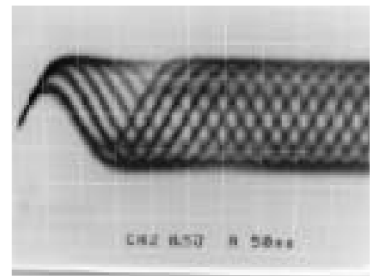
8. CLV Servo Does Not Work



V : 500mV/div
H : 100ns/div

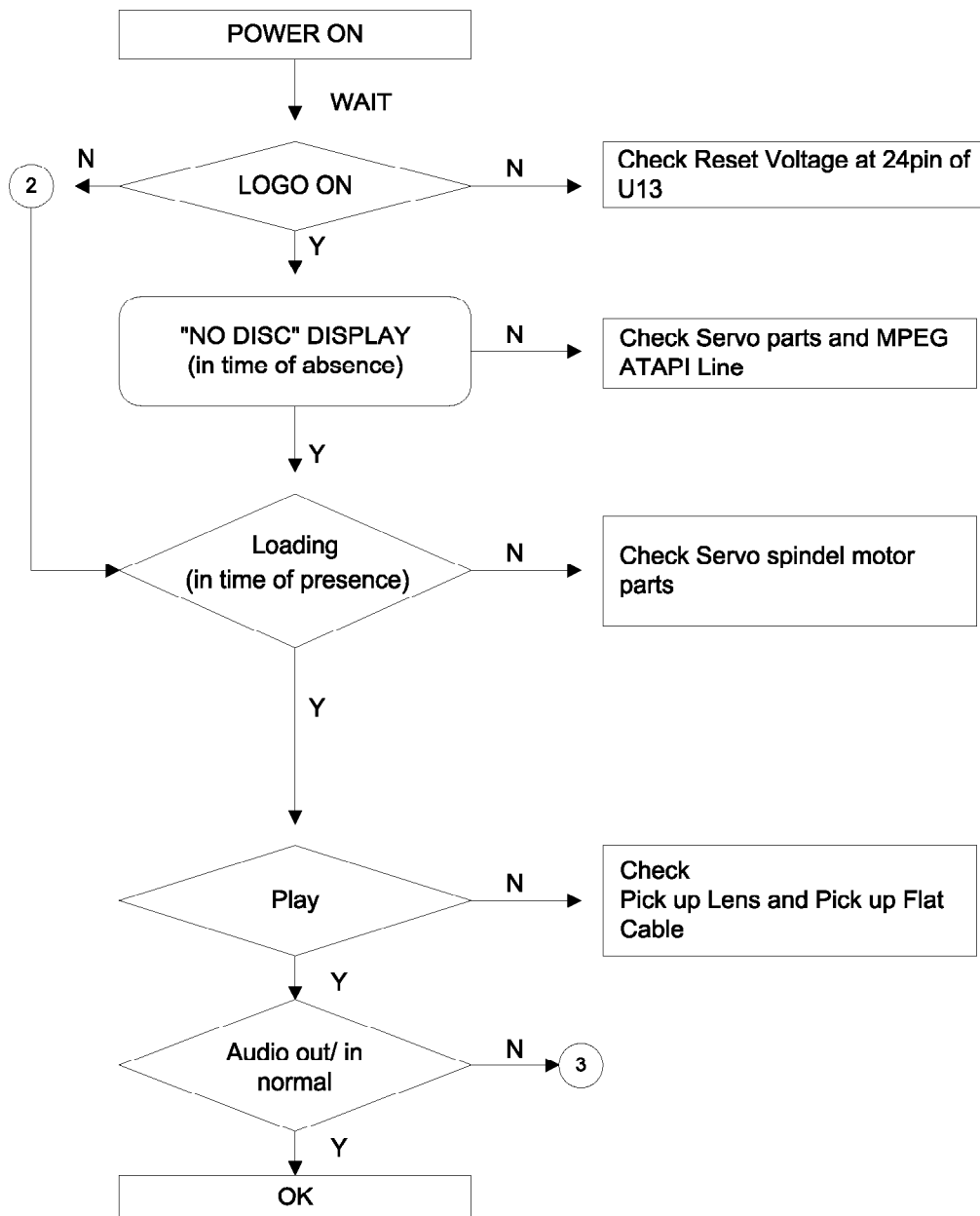


V : 500mV/div
H : 50ns/div

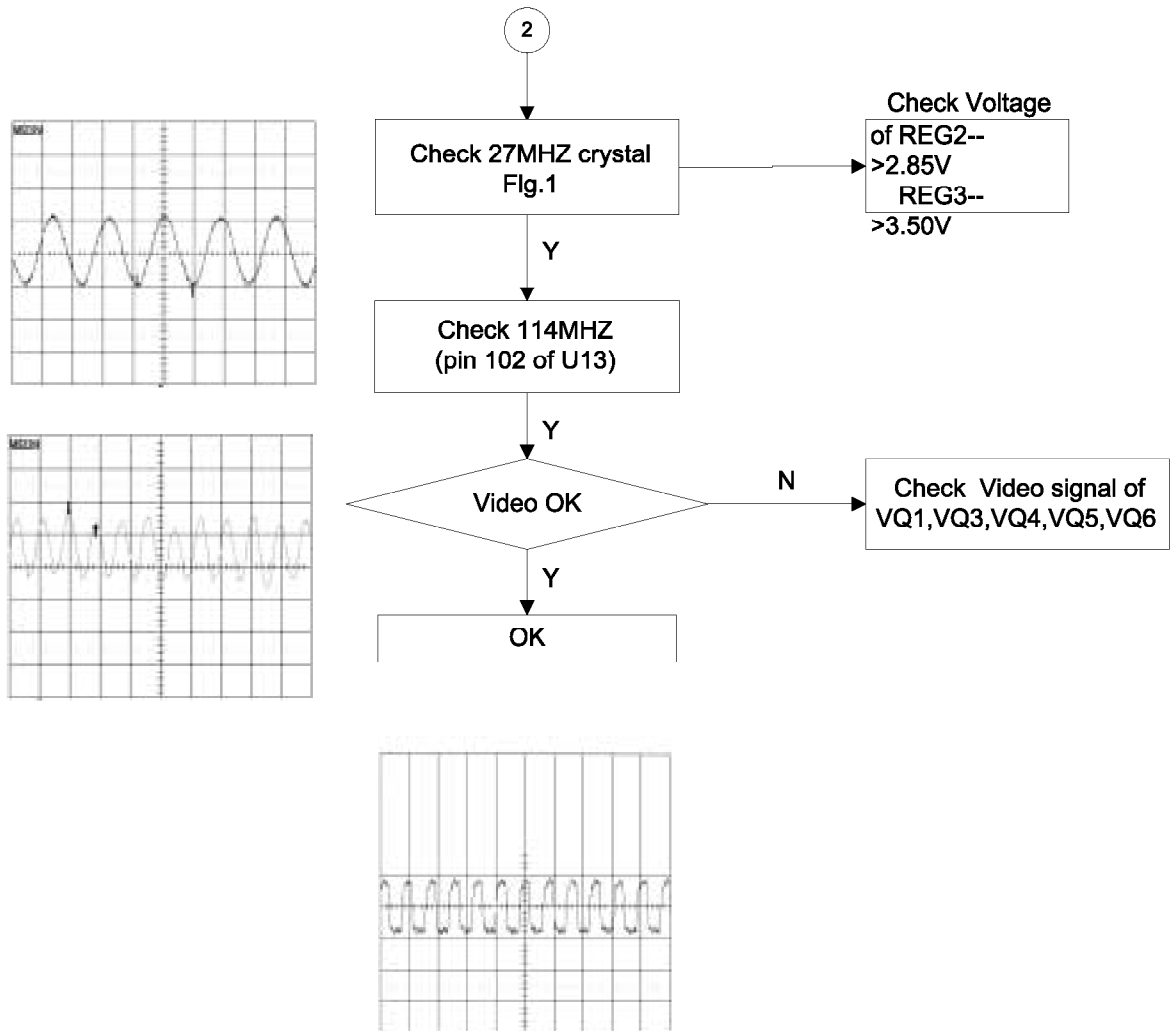


V : 500mV/div
H : 50ns/div

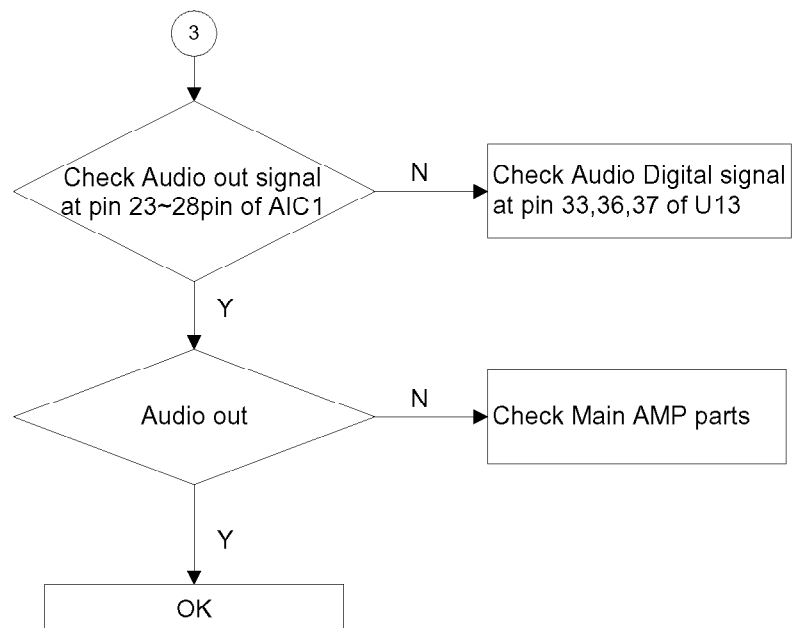
1. Initial operation after NO



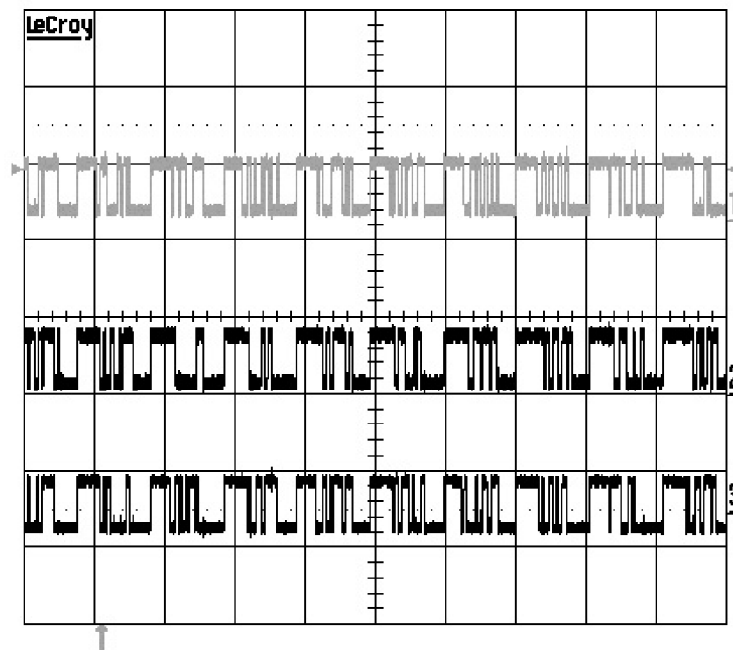
2. Logo operation



3.Audio operation



Audio Digital Signal



TOSHIBA CORPORATION

1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-8001, JAPAN

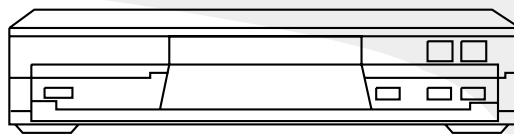
TOSHIBA

FILE NO.810-200309X

SERVICE MANUAL



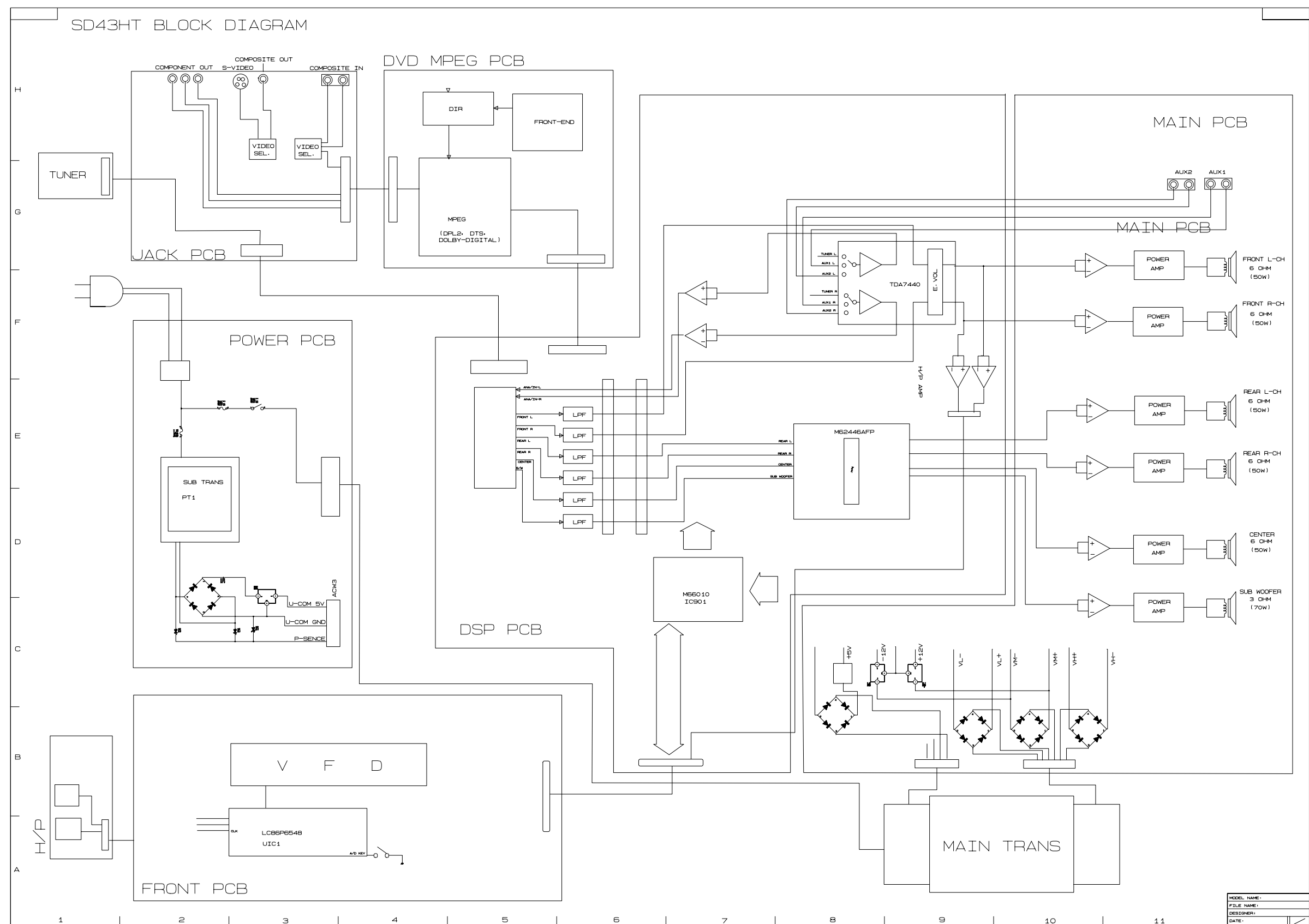
DVD HOME THEATER SYSTEM ***SD-43HT***



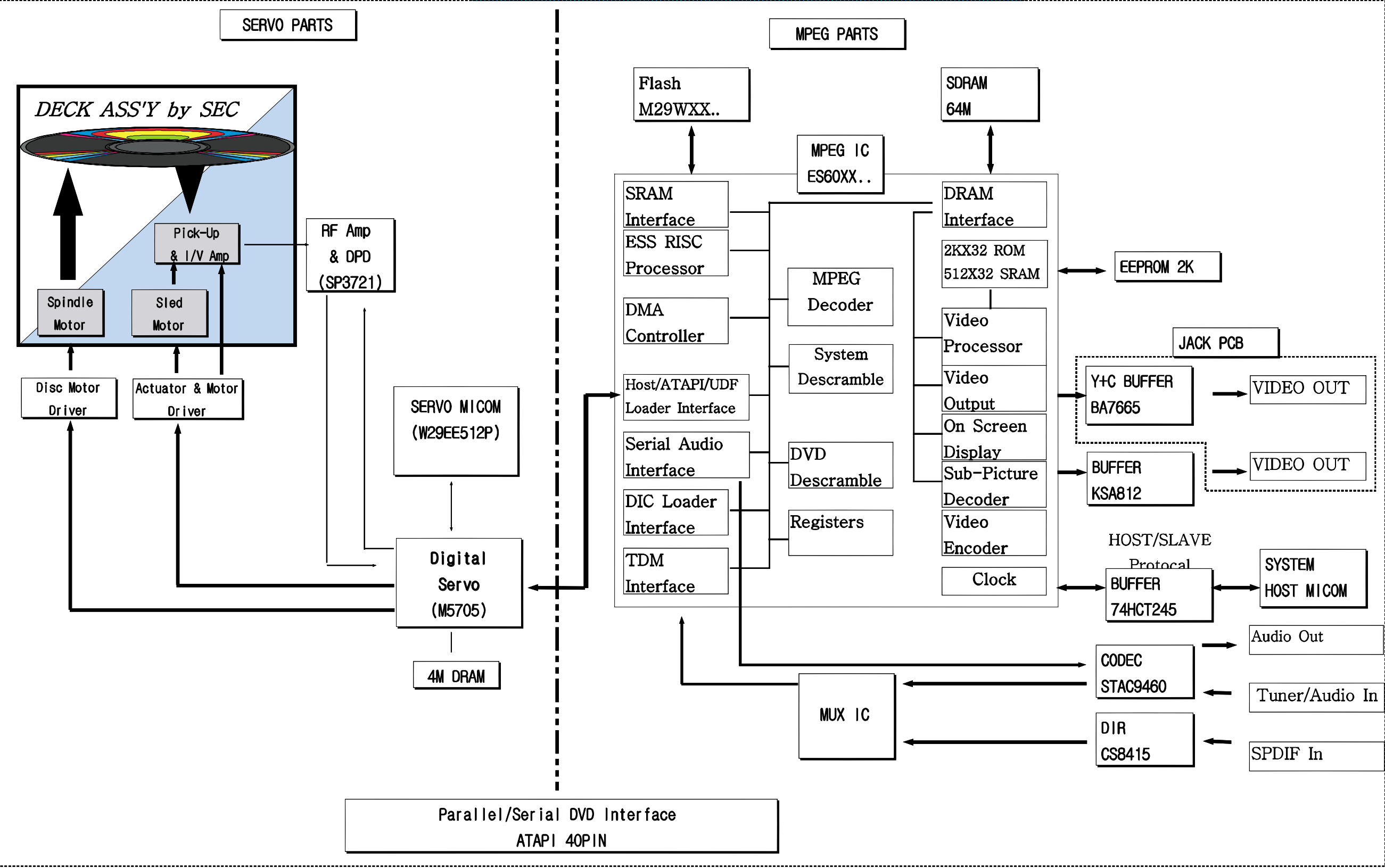
April. 2003

5. Block Diagram

5-1 MAIN Part

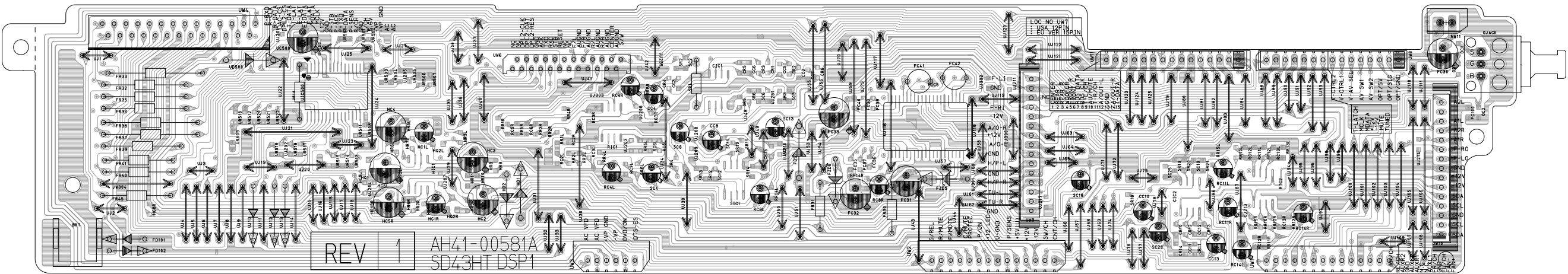


DVD BLOCK DIAGRAM

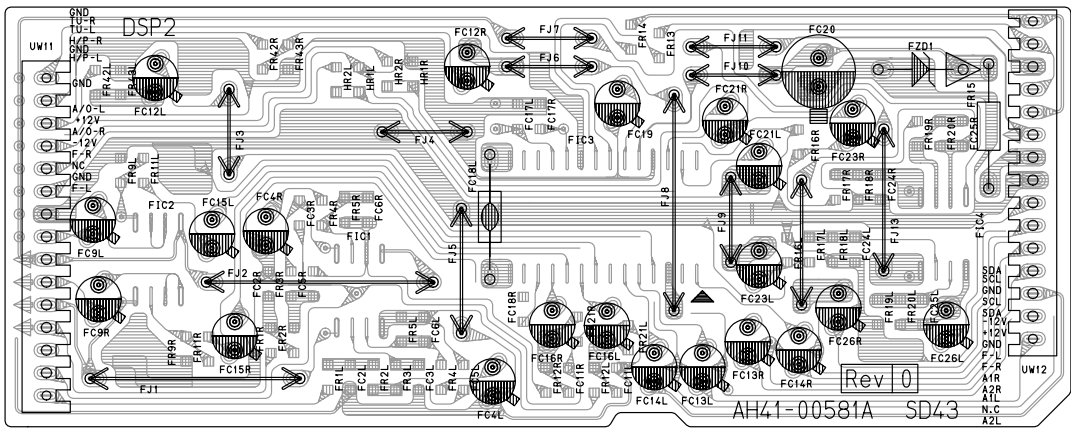


6. Printed Circuit Board Diagram

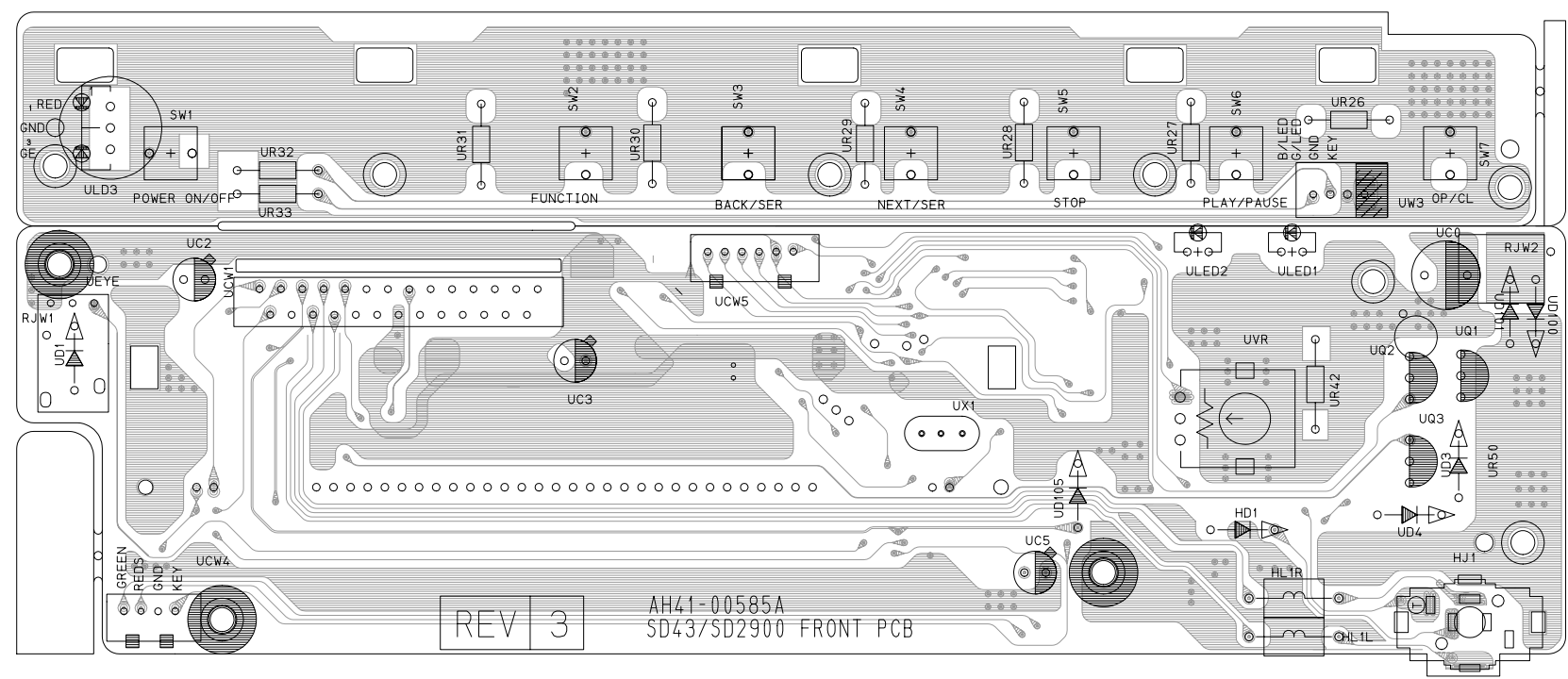
6-1 DSP1



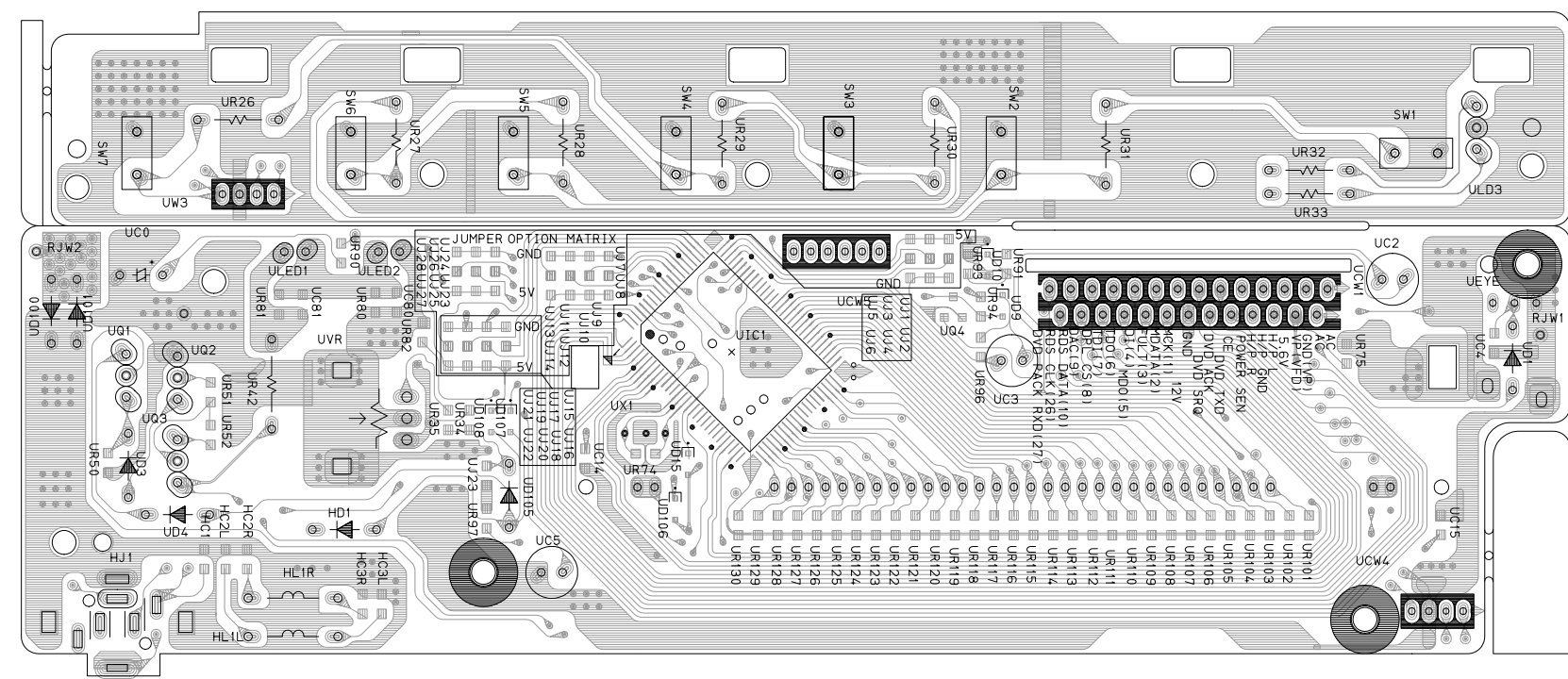
6-2 DSP2

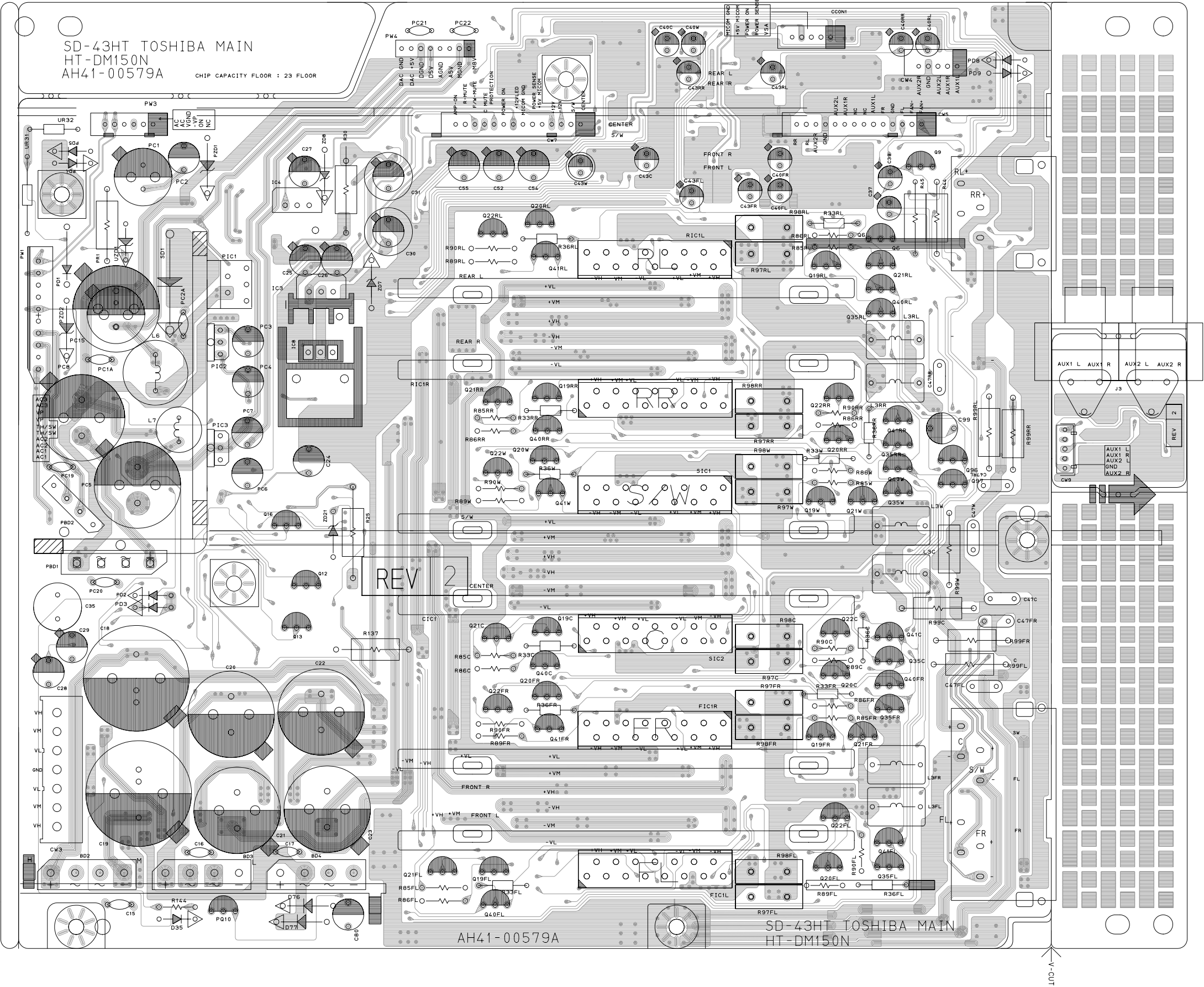


* TOP VIEW



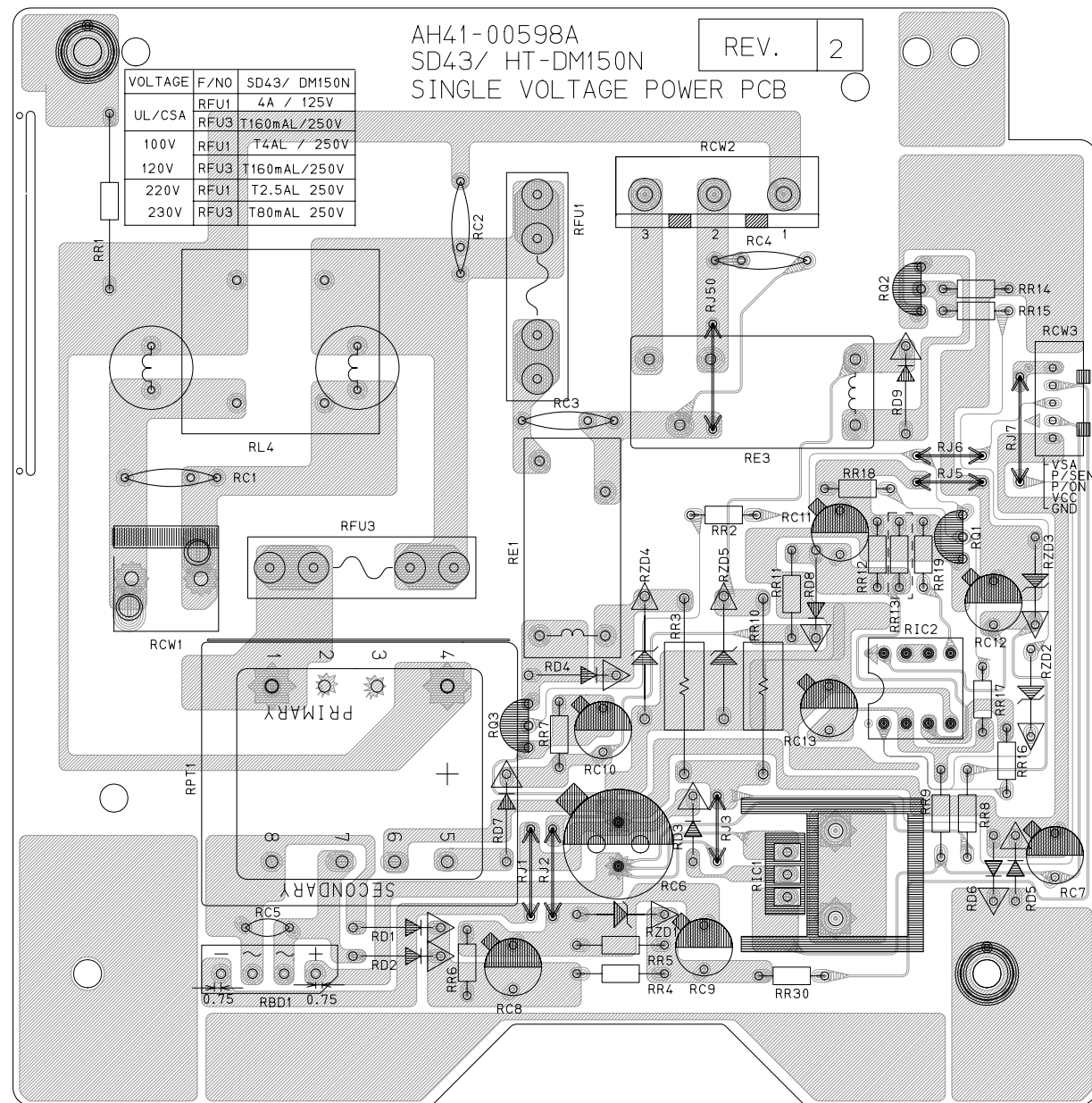
* BOTTOM VIEW



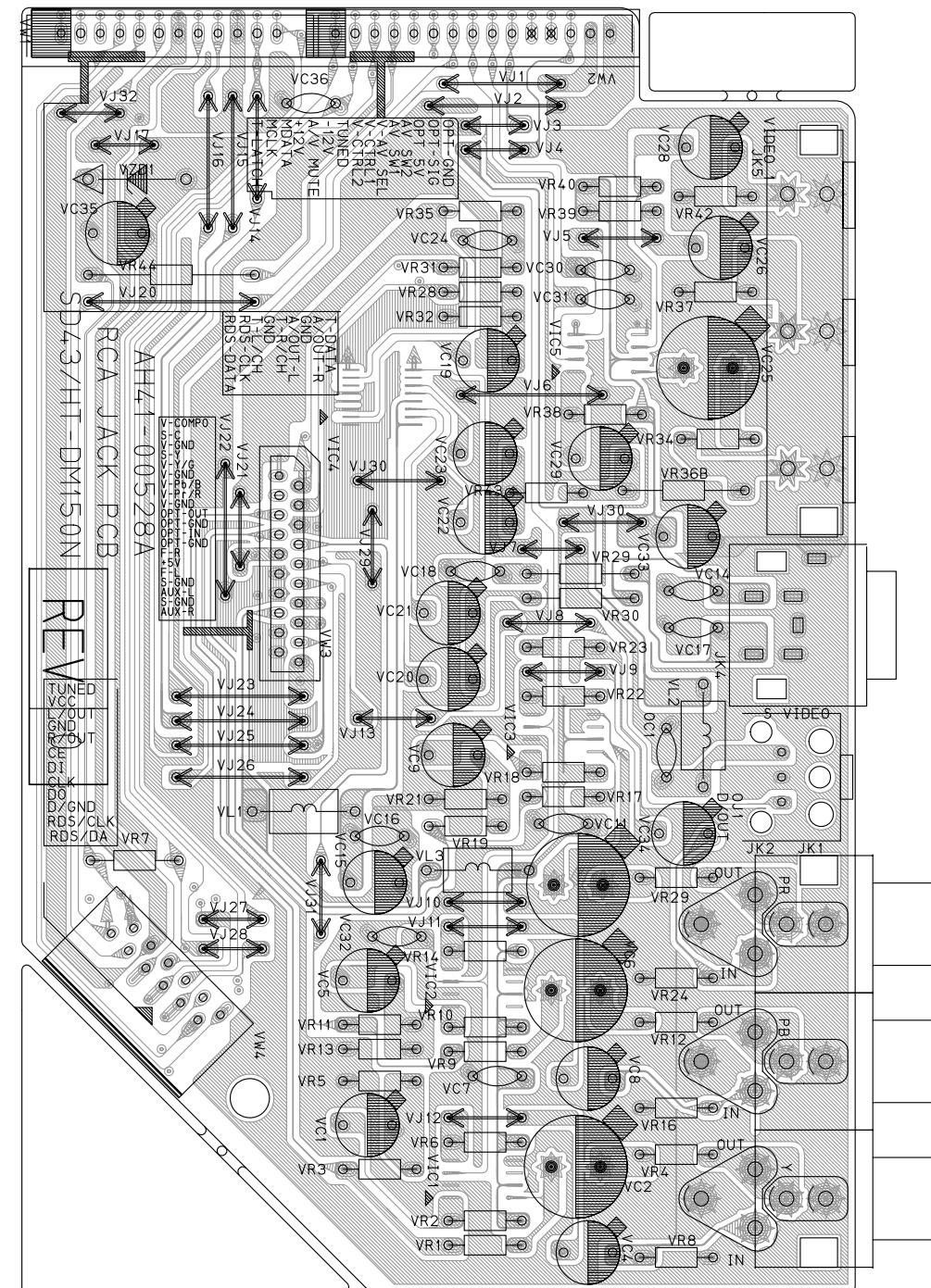




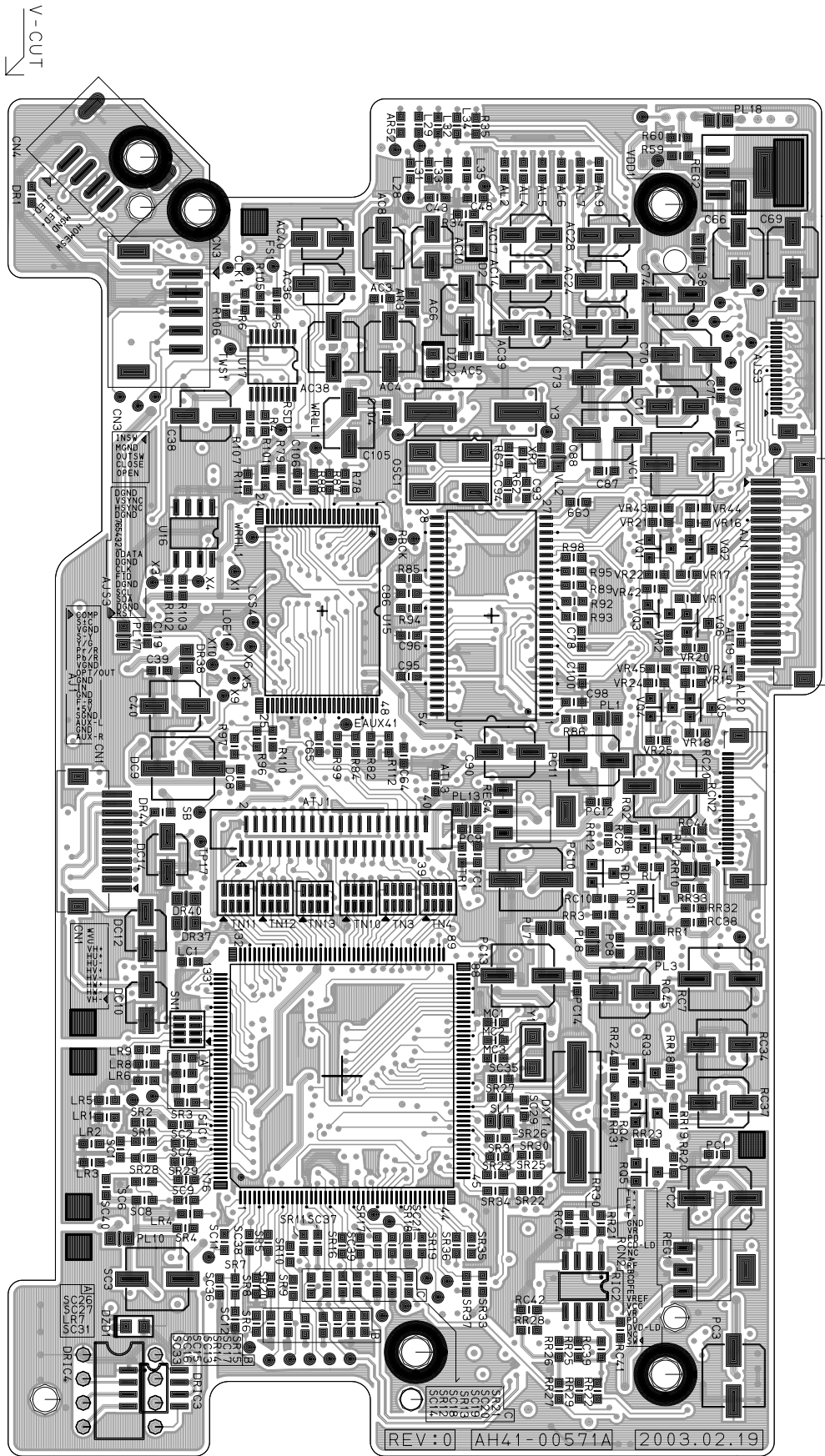
6-5 POWER



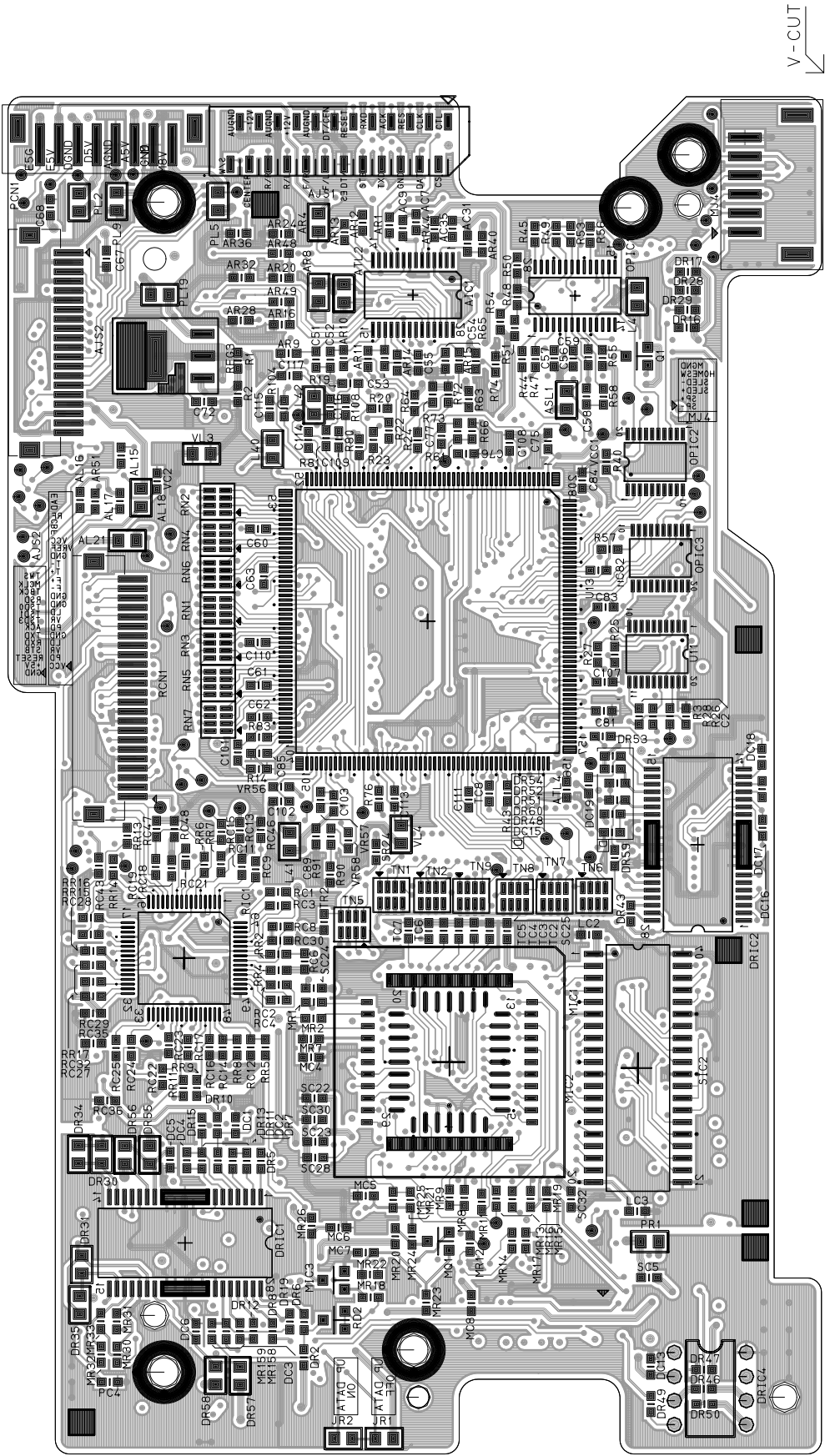
6-6 JACK (RCA)



* TOP VIEW

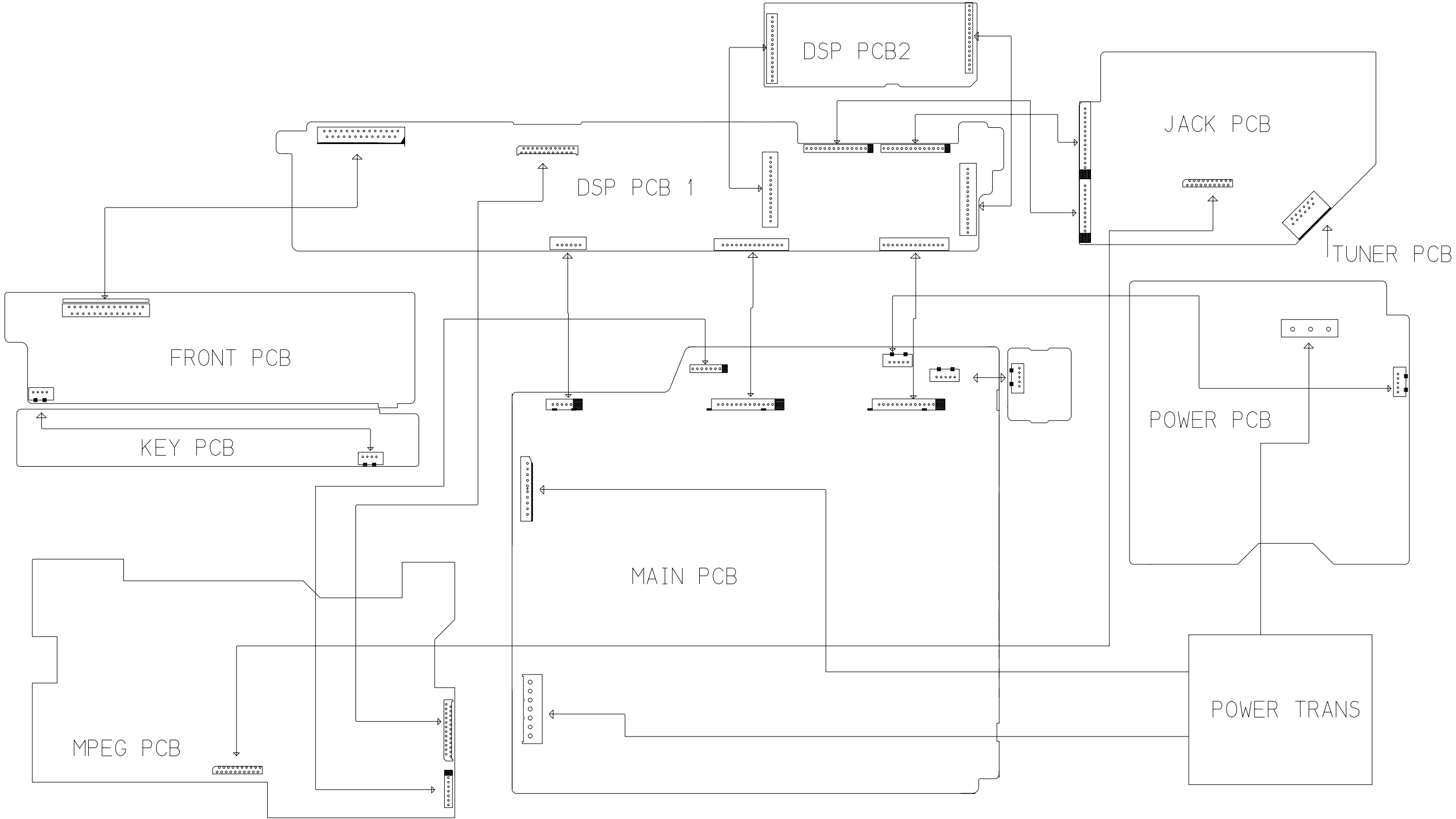


* BOTTOM VIEW



7. Wiring Diagram

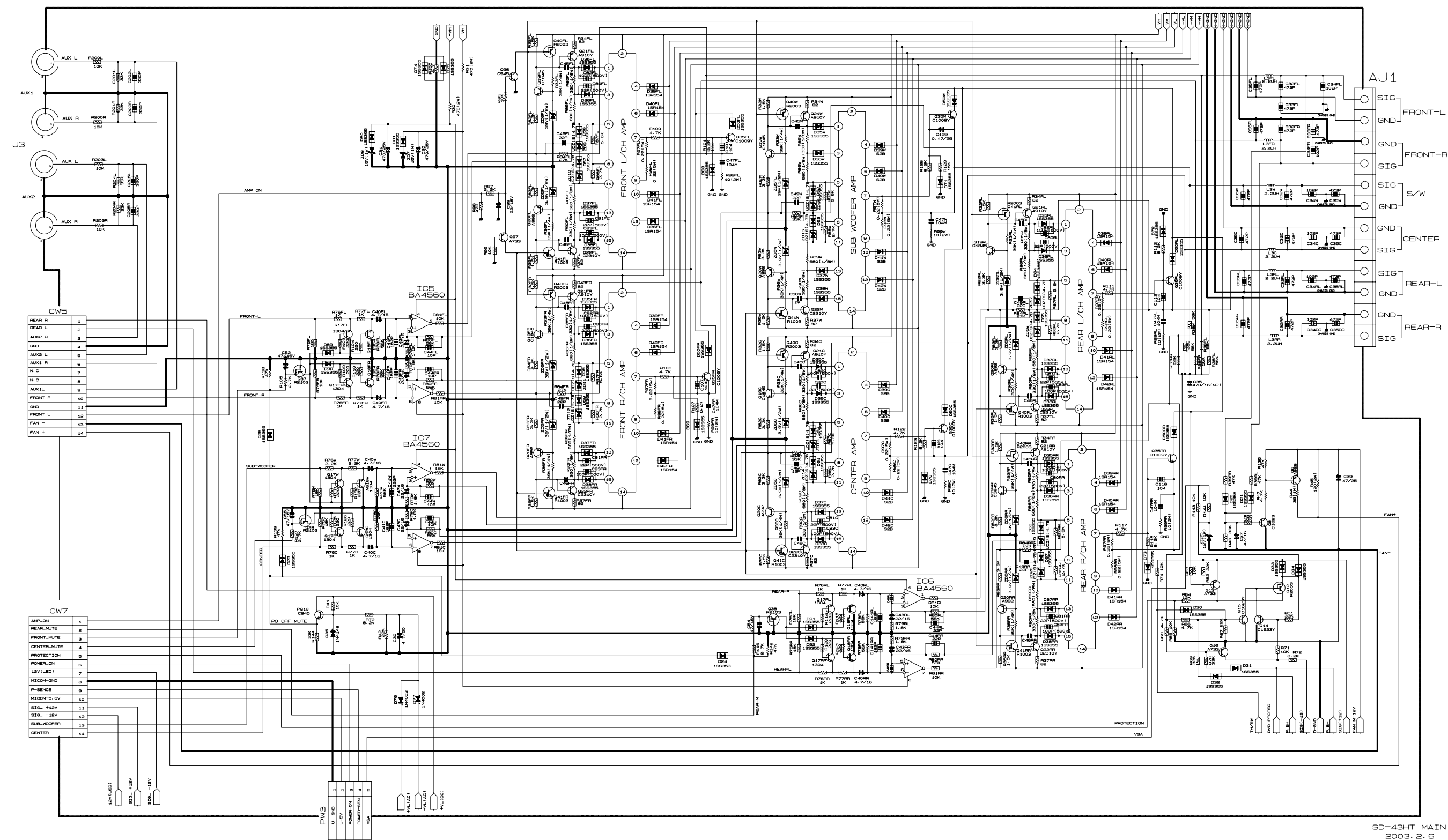
SD-43HT WIREING DRAWING



8. Schematic Diagram

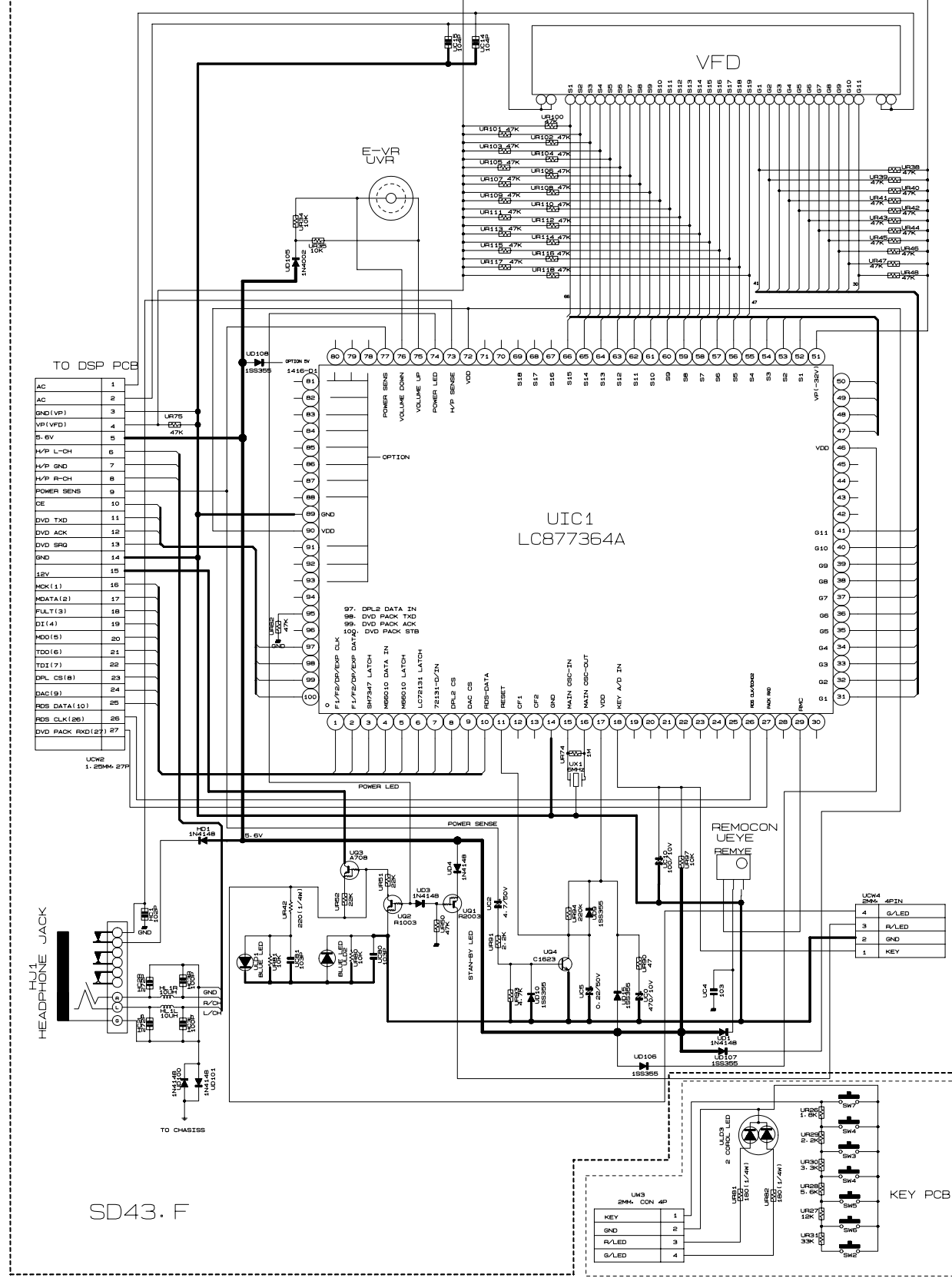
8-1 MAIN

SD-43HT/HK MAIN (AMP+PROTECTION+FAN)

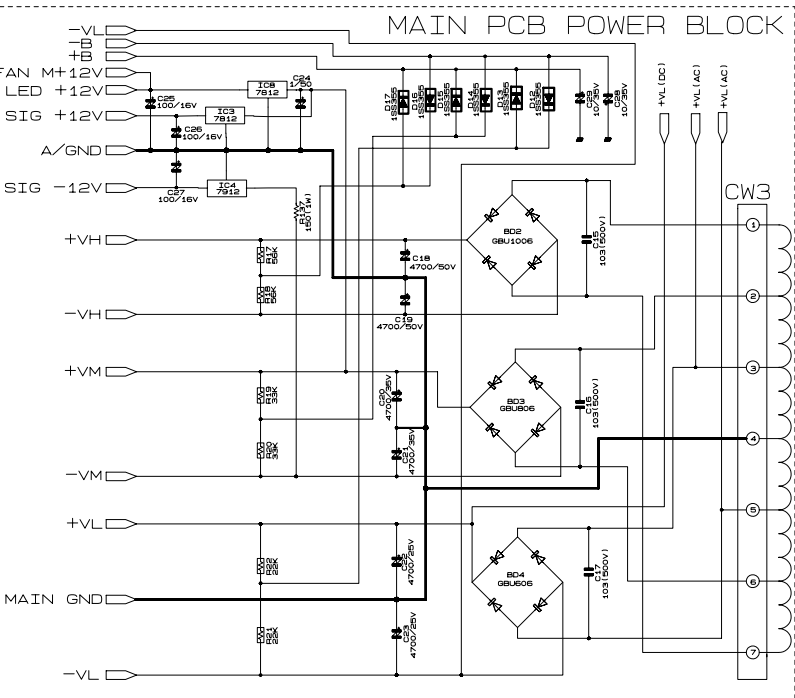
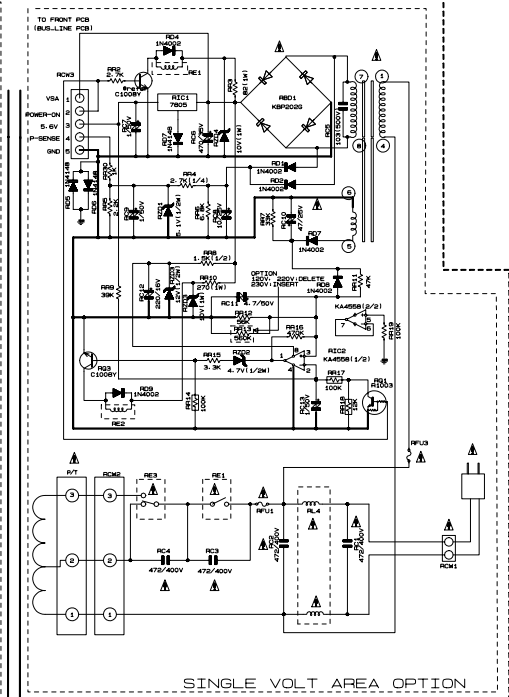
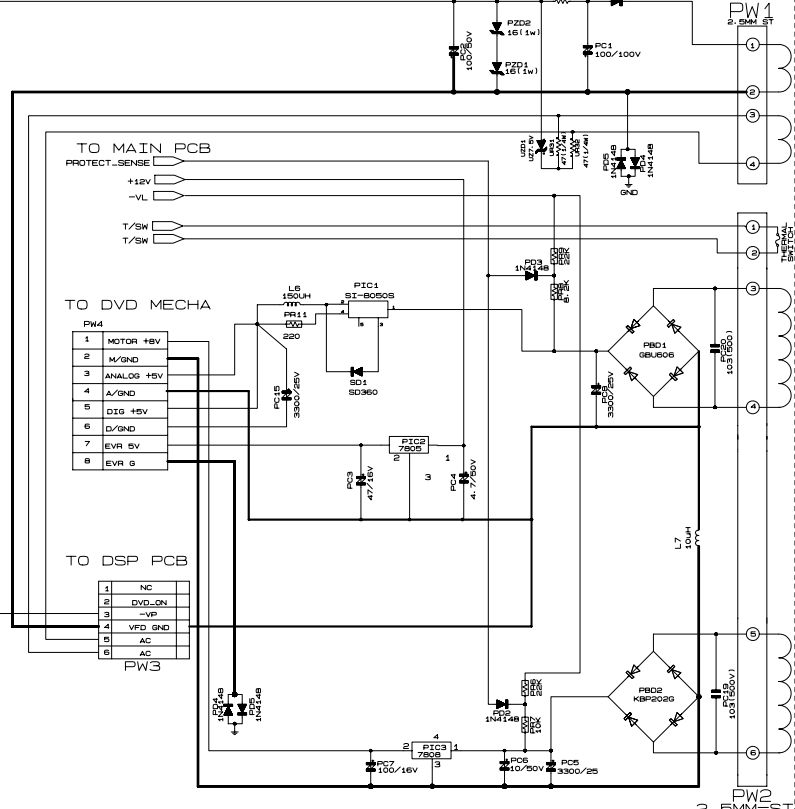


SD-43HT MAIN
2003.2.6
FILE NAME : SD43.M

SD-43HT/HK FRONT CIRCUIT



SD-43HT/HK POWER BLOCK CIRCUIT



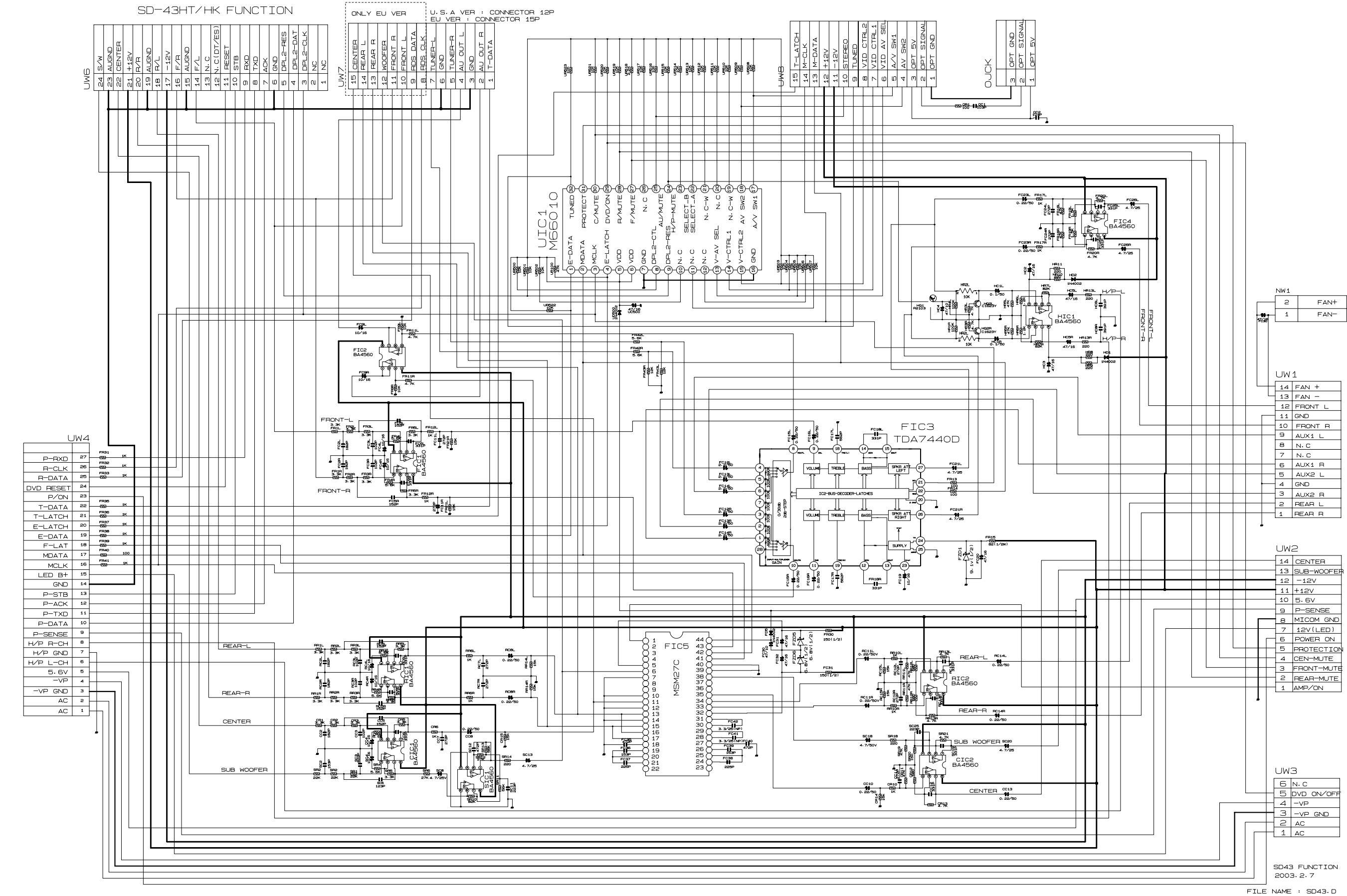
FUSE OPTION			
AREA OPTION	CE/KOR ASIA	USA/CANADA	
LOCATION			
FU1	T2.5A/250V	T4A/125V	
FU2	X	X	
FU3	T80mA/250V	T160mA/250V	
FU4	X	X	
X: NO-INSERT			

NOTICE

- 1. INITIAL GND
- 2. CHASSIS GND
- 3. ANALOG GND
- 4. S. GND
- 5. GND

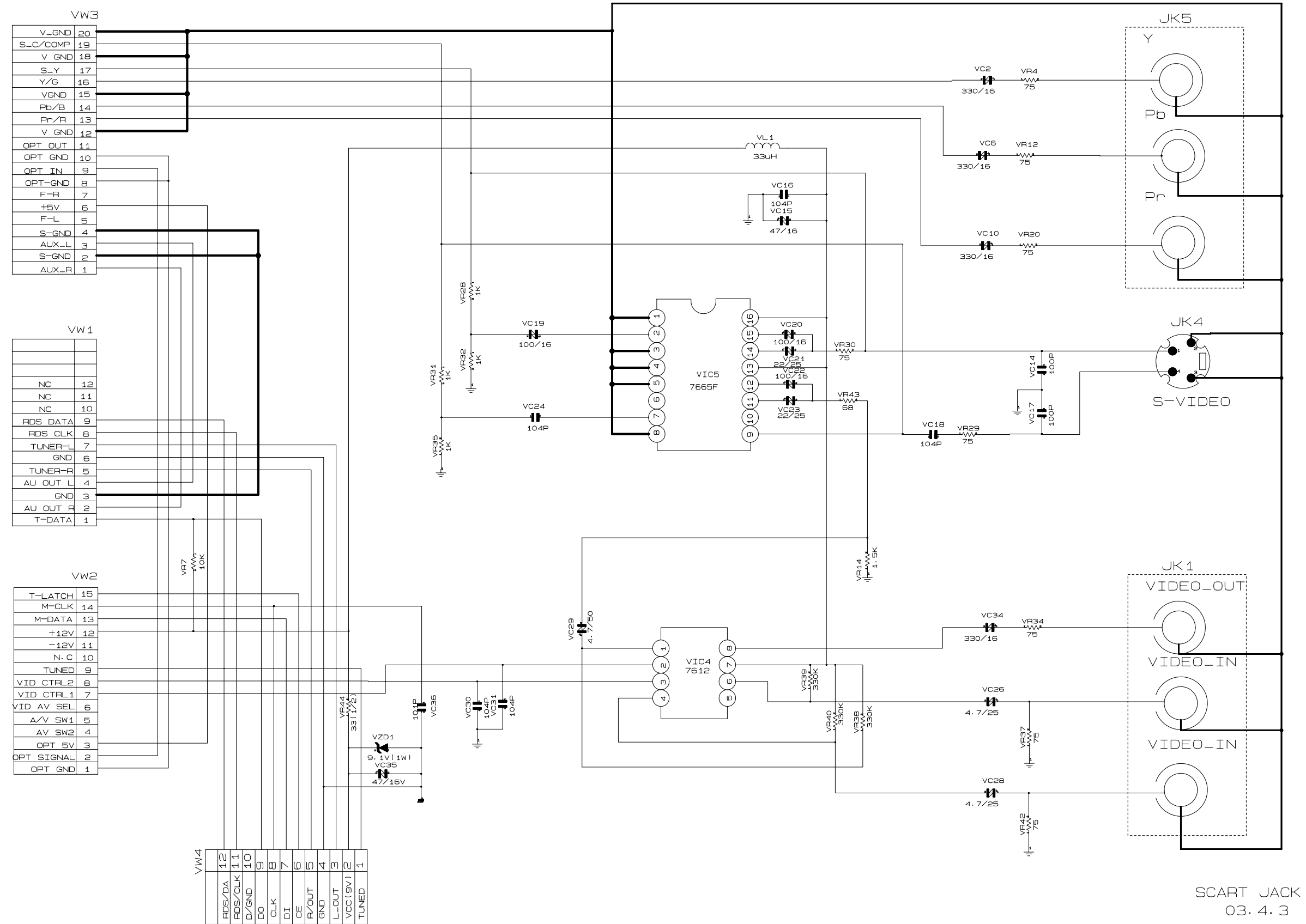
2003.02.06

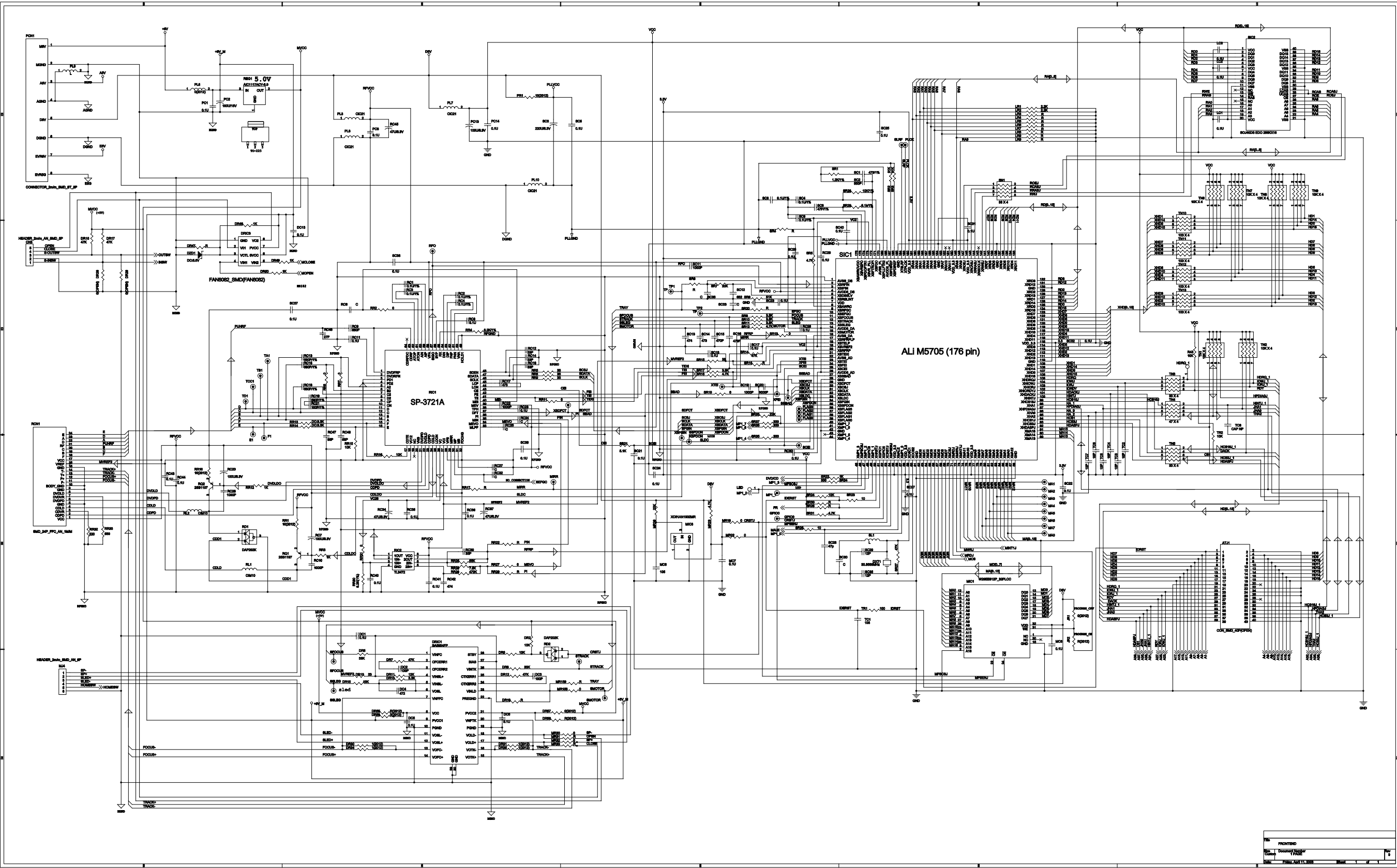
PR0701

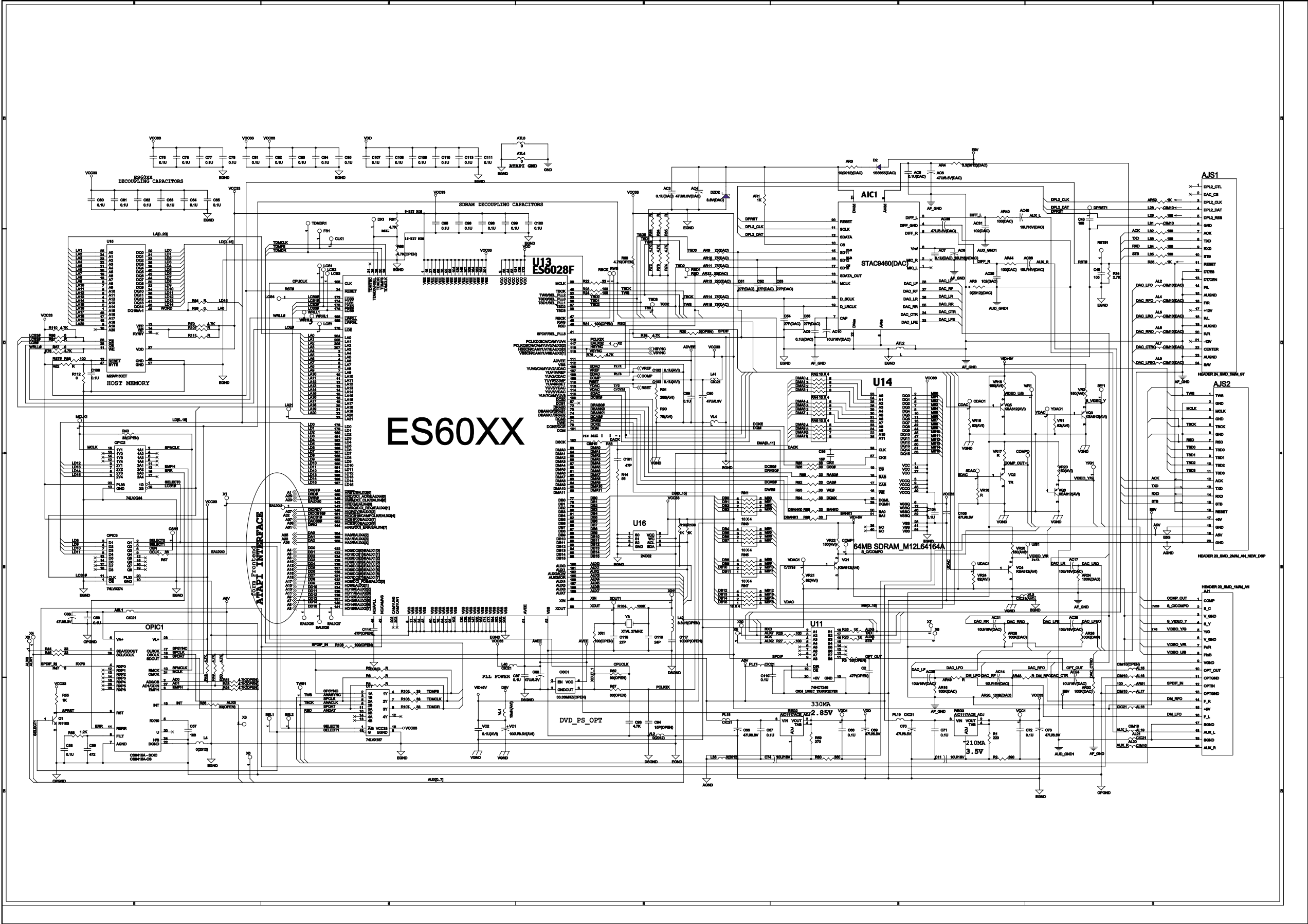


8-4 JACK (RCA)

SD-43HT RCA JACK







TOSHIBA CORPORATION

1-1, SHIBAURA 1- CHOME, MINATO - KU, TOKYO 105 - 8001, JAPAN